

# Recombinant Human NTSR1 Full Length Transmembrane protein, Flag tag(Nanodisc)

**Cat. No.** NTSR1-0294H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human NTSR1 Full Length Transmembrane protein(P30989), fused with Flag tag, was expressed in HEK293.                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                              |
| <b>Form</b>             | Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.                                                                                    |
| <b>Molecular Mass</b>   | The human full length NTSR1 protein has a MW of 46.1 kDa                                                                                                                                                                                            |
| <b>Storage</b>          | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                       |
| <b>Full Length</b>      | Full L.                                                                                                                                                                                                                                             |

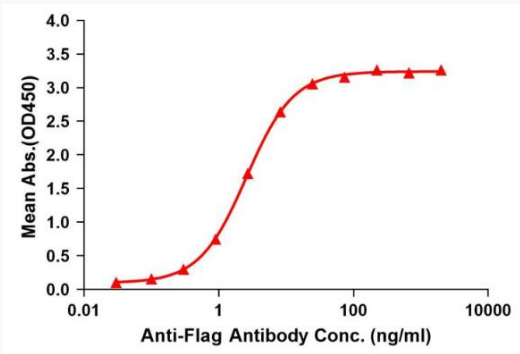
## GENE INFORMATION

|                  |                                                               |
|------------------|---------------------------------------------------------------|
| <b>Gene Name</b> | NTSR1 neurotensin receptor 1 (high affinity) [ Homo sapiens ] |
|------------------|---------------------------------------------------------------|

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| Official Symbol                  | NTSR1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                  |                  |      |     |     |     |     |     |   |     |   |     |    |     |     |     |      |     |       |     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------|------|-----|-----|-----|-----|-----|---|-----|---|-----|----|-----|-----|-----|------|-----|-------|-----|
| Synonyms                         | NTR; NTSR1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                  |                  |      |     |     |     |     |     |   |     |   |     |    |     |     |     |      |     |       |     |
| Gene ID                          | 4923                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                  |                  |      |     |     |     |     |     |   |     |   |     |    |     |     |     |      |     |       |     |
| mRNA Refseq                      | NM_002531                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                  |                  |      |     |     |     |     |     |   |     |   |     |    |     |     |     |      |     |       |     |
| Protein Refseq                   | NP_002522                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                  |                  |      |     |     |     |     |     |   |     |   |     |    |     |     |     |      |     |       |     |
| MIM                              | 162651                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |                  |      |     |     |     |     |     |   |     |   |     |    |     |     |     |      |     |       |     |
| UniProt ID                       | P30989                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |                  |      |     |     |     |     |     |   |     |   |     |    |     |     |     |      |     |       |     |
| Activity                         |  <table border="1"> <caption>Approximate data points from the Anti-Flag Antibody activity graph</caption> <thead> <tr> <th>Anti-Flag Antibody Conc. (ng/ml)</th> <th>Mean Abs.(OD450)</th> </tr> </thead> <tbody> <tr><td>0.01</td><td>0.1</td></tr> <tr><td>0.1</td><td>0.2</td></tr> <tr><td>0.5</td><td>0.5</td></tr> <tr><td>1</td><td>1.0</td></tr> <tr><td>5</td><td>2.5</td></tr> <tr><td>10</td><td>3.0</td></tr> <tr><td>100</td><td>3.2</td></tr> <tr><td>1000</td><td>3.2</td></tr> <tr><td>10000</td><td>3.2</td></tr> </tbody> </table> | Anti-Flag Antibody Conc. (ng/ml) | Mean Abs.(OD450) | 0.01 | 0.1 | 0.1 | 0.2 | 0.5 | 0.5 | 1 | 1.0 | 5 | 2.5 | 10 | 3.0 | 100 | 3.2 | 1000 | 3.2 | 10000 | 3.2 |
| Anti-Flag Antibody Conc. (ng/ml) | Mean Abs.(OD450)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                  |                  |      |     |     |     |     |     |   |     |   |     |    |     |     |     |      |     |       |     |
| 0.01                             | 0.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                  |                  |      |     |     |     |     |     |   |     |   |     |    |     |     |     |      |     |       |     |
| 0.1                              | 0.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                  |                  |      |     |     |     |     |     |   |     |   |     |    |     |     |     |      |     |       |     |
| 0.5                              | 0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                  |                  |      |     |     |     |     |     |   |     |   |     |    |     |     |     |      |     |       |     |
| 1                                | 1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                  |                  |      |     |     |     |     |     |   |     |   |     |    |     |     |     |      |     |       |     |
| 5                                | 2.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                  |                  |      |     |     |     |     |     |   |     |   |     |    |     |     |     |      |     |       |     |
| 10                               | 3.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                  |                  |      |     |     |     |     |     |   |     |   |     |    |     |     |     |      |     |       |     |
| 100                              | 3.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                  |                  |      |     |     |     |     |     |   |     |   |     |    |     |     |     |      |     |       |     |
| 1000                             | 3.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                  |                  |      |     |     |     |     |     |   |     |   |     |    |     |     |     |      |     |       |     |
| 10000                            | 3.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                  |                  |      |     |     |     |     |     |   |     |   |     |    |     |     |     |      |     |       |     |

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