

# Recombinant Human NPY2R Full Length Transmembrane protein, His-tagged

**Cat. No.** NPY2R-0945H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human NPY2R protein(P49146)(1-381aa), fused with N-terminal His tag, was expressed in in vitro E. coli expression system.                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 1-381aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 48.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | <p>MGPIGAEADENQTV EEMKVEQYGPQTTPRGELVPDPEPELIDSTKLIEVQVVLILAYC<br/>         SIILLGVIGNSLVIHVVIKFKSMRTVTNFFIANLAVADLLVNTLCLPFTLTYYTLMGEWKM<br/>         GPVLCHLVPYAQGLAVQVSTITLTVIALDRHRCIVYHLESKISKRISFLIIGLAWGISALL<br/>         ASPLAIFREYSLIEIIPDFEIVACTEKWPGE EKSIYGTVYSLSSLLILYVLPLGIISFSYTRI<br/>         WSKLKNHVSPGAANDHYHQRRQKTKMLVCVVVFAVSWLPLHAFQLAVDIDSQVL<br/>         DLKEYKLIFTVFHIIAMCSTFANPLLYGWMNSNYRKAFLSAFRCEQRLDAIHSEVSVT<br/>         FKAKKNLEVRKNSGPND SFTEATNV</p> |

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|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                               |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                            |
| <b>Reconstitution</b> | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. |

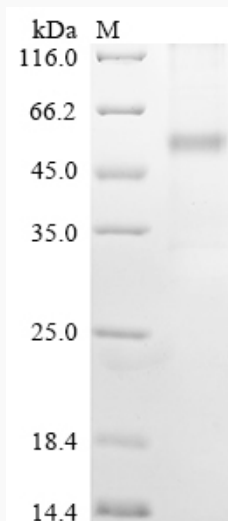
## GENE INFORMATION

|                        |                                                                                                          |
|------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | NPY2R neuropeptide Y receptor Y2 [ Homo sapiens ]                                                        |
| <b>Official Symbol</b> | NPY2R                                                                                                    |
| <b>Synonyms</b>        | NPY2R; neuropeptide Y receptor Y2; neuropeptide Y receptor type 2; Y2 receptor; NPY-Y2 receptor; NPY2-R; |
| <b>Gene ID</b>         | 4887                                                                                                     |
| <b>mRNA Refseq</b>     | NM_000910                                                                                                |
| <b>Protein Refseq</b>  | NP_000901                                                                                                |
| <b>MIM</b>             | 162642                                                                                                   |
| <b>UniProt ID</b>      | P49146                                                                                                   |

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**SDS-PAGE**

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