

# Recombinant Human NTRK2 Protein, His-tagged

**Cat. No.** NTRK2-379H    **Lot. No.** (See product label)

## SPECIFICATION

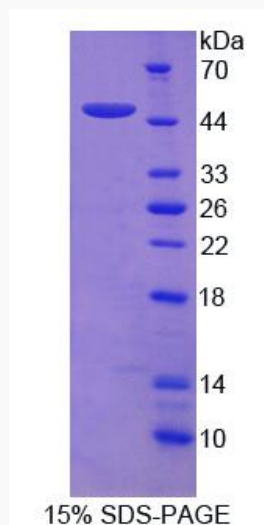
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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human NTRK2(Cys32~His430) fused with His tag at N-terminal was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | Cys32~His430                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | This gene encodes a member of the neurotrophic tyrosine receptor kinase (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through this kinase leads to cell differentiation. Mutations in this gene have been associated with obesity and mood disorders. Alternative splicing results in multiple transcript variants. |
| <b>Form</b>             | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 47.9kDa                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.<br>If bio-activity of the protein is needed, please check active protein                                                                                                                                                                                                                                                                                                              |

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Reconstitution</b>   | Reconstitute in PBS or others                                                                                                                                                                                                                                                                                                                |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>        | NTRK2 neurotrophic tyrosine kinase, receptor, type 2 [ Homo sapiens ]                                                                                                                                                                                                                                                                        |
| <b>Official Symbol</b>  | NTRK2                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>         | NTRK2; neurotrophic tyrosine kinase, receptor, type 2; BDNF/NT-3 growth factors receptor; TRKB; trkB tyrosine kinase; tyrosine kinase receptor B; tropomyosin-related kinase B; BDNF-tropomyosine receptor kinase B; trk-B; GP145-TrkB;                                                                                                      |
| <b>Gene ID</b>          | 4915                                                                                                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>      | NM_001007097                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>   | NP_001007098                                                                                                                                                                                                                                                                                                                                 |
| <b>MIM</b>              | 600456                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>       | Q16620                                                                                                                                                                                                                                                                                                                                       |



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