

# Recombinant Human NTRK1 Protein, His-tagged, FITC conjugated

**Cat. No.** NTRK1-977HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | FITC conjugated recombinant human NTRK1 (NP_002520.2) amino acid sequence (Pro 194-Glu 413) corresponding to the Ig-like C2-type 1 & 2 domains, fused with a N-terminal polyhistidine tag, was produced in Human Cell.                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 239                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | The recombinant human NTRK1 Ig-like C2-type 1 & 2 domains (aa 194-413) consists of 239 amino acids and has a predicted molecular mass of 26 kDa. As a result of glycosylation, it migrates as an approximately 45-50 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                                         |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with FITC via amines<br>Excitation source: 488 nm spectral line, argon-ion laser<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 535 nm                                                                               |

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                            |
| <b>Storage</b>          | Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.       |
| <b>Storage Buffer</b>   | Lyophilized from sterile PBS, pH 7.4                                                                                                                                      |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>      | FITC                                                                                                                                                                      |
| <b>GENE INFORMATION</b> |                                                                                                                                                                           |
| <b>Gene Name</b>        | NTRK1 neurotrophic tyrosine kinase, receptor, type 1 [ Homo sapiens ]                                                                                                     |
| <b>Official Symbol</b>  | NTRK1                                                                                                                                                                     |
| <b>Gene ID</b>          | 4914                                                                                                                                                                      |
| <b>mRNA Refseq</b>      | NM_001007792                                                                                                                                                              |
| <b>Protein Refseq</b>   | NP_001007793                                                                                                                                                              |
| <b>MIM</b>              | 191315                                                                                                                                                                    |
| <b>UniProt ID</b>       | P04629                                                                                                                                                                    |

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