## PRODUCT INFORMATION

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|---|---|
| **Target** | NTRK1 |
| **Synonyms** | MTC;p140-TrkA;TRK;Trk-A;TRK1;TRKA |
| **Description** | Recombinant Human NTRK1 Protein with C-terminal human Fc tag |
| **Delivery** | In Stock |
| **Uniprot ID** | P04629 |
| **Expression Host** | HEK293 |
| **Tag** | C-Human Fc Tag |
| **Molecular Characterization** | NTRK1(Ala33-Phe410) hFc(Glu99-Ala330) |
| **Molecular Weight** | The protein has a predicted molecular mass of 67.4 kDa after removal of the signal peptide.The apparent molecular mass of NTRK1-hFc is approximately 70-130 kDa due to glycosylation. |
| **Purity** | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| **Storage&Shipping** | 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. |
| **Background** | This gene encodes a member of the neurotrophic tyrosine kinase receptor (NTKR) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. The presence of this kinase leads to cell differentiation and may play a role in specifying sensory neuron subtypes. Mutations in this gene have been associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, cognitive disability and cancer. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date. [provided by RefSeq, Jul 2008] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

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Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

Email: info@dimabio.com
Website: www.dimabio.com

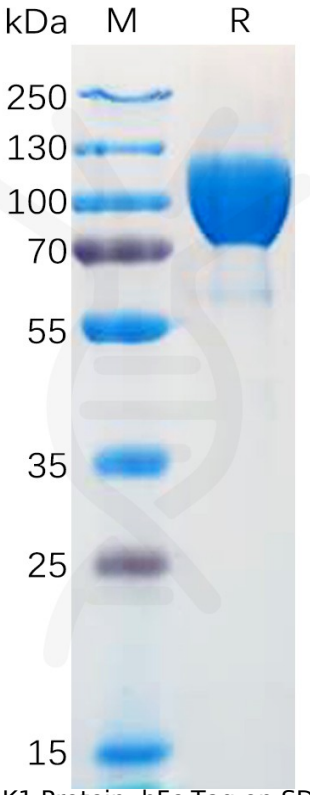



Figure 1. Human NTRK1 Protein, hFc Tag on SDS-PAGE under reducing condition.

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