HUMAN NTRK1 PROTEIN, HFC TAG

Cat.#: 11371

Product Name: Human NTRK1 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: MTC;p140-TrkA;TRK;Trk-A;TRK1;TRKA

Target: NTRK1

UNIPROT ID: P04629

Description: Recombinant Human NTRK1 Protein with C-terminal human Fc tag

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]

Species/Host: HEK293

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.

Molecular Characterization: NTRK1(Ala33-Phe410) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: 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.

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.

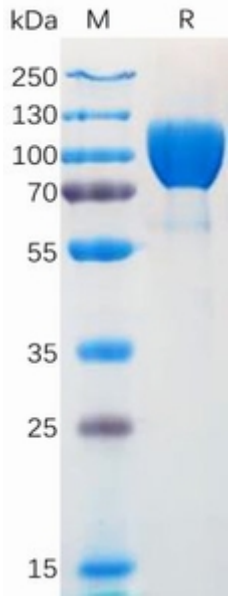

Figure 1. Human NTRK1 Protein, hFc Tag on SDS-PAGE under reducing condition.