

HUMAN NTRK3 PROTEIN, HFC TAG**Cat.#:** 11366**Product Name:** Human NTRK3 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** gp145(trkC);GP145-TrkC;TRKC**Target:** NTRK3**UNIPROT ID:** Q16288**Description:** Recombinant human NTRK3 protein with C-terminal human Fc tag**Background:** 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 and may play a role in the development of proprioceptive neurons that sense body position. Mutations in this gene have been associated with medulloblastomas, secretory breast carcinomas and other cancers. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2011]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 70.9 kDa after removal of the signal peptide. The apparent molecular mass of NTRK3-hFc is approximately 100-130 kDa due to glycosylation.**Molecular Characterization:** NTRK3(Cys32-Thr429) 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.

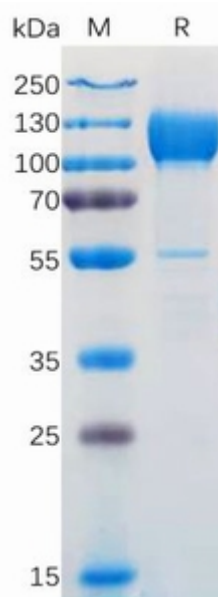


Figure 1. Human NTRK3 Protein, hFc Tag on SDS-PAGE under reducing condition.