PRODUCT INFORMATION

Target	NTRK2
Synonyms	DEE58;EIEE58;GP145-TrkB;OBHD;trk-B;TRKB
Description	Recombinant human NTRK2 Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q16620
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	NTRK2(Cys32-His430) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 45.0 kDa after removal of the signal peptide. The apparent molecular mass of NTRK2-His is approximately 55-100 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% 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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
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 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. [provided by RefSeq, May 2014]
Usage	Research use only
Conjugate	Unconjugated

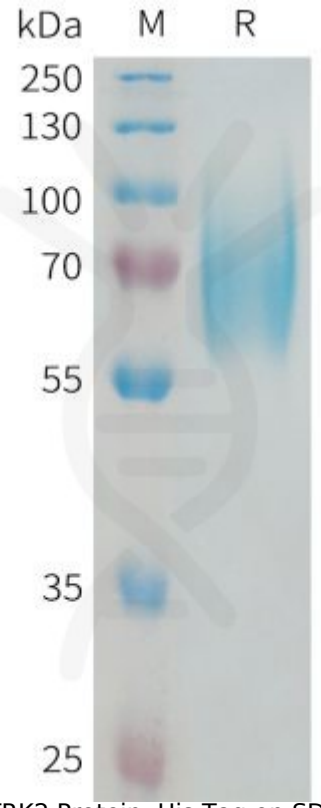

Figure 1. Human NTRK2 Protein, His Tag on SDS-PAGE under reducing condition.