

Active Recombinant Human NTRK1 Protein

Cat. No. NTRK1-163N **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NTRK1 Protein without tag was expressed in HEK 293.
Species	Human
Source	HEK293
ProteinLength	34-407 aa
Description	Tyrosine kinase receptor A (Trk-A) is a member of the neurotrophic tyrosine kinase receptor family which includes three members: Trk-A, Trk-B and Trk-C. Trk-A is involved in the development and maturation of the central and peripheral nervous systems through regulation of proliferation, differentiation and survival of sympathetic neurons.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 1 µg/mL, measured in a neutralization assay in the presence of 10 ng/mL human β-NGF using TF-1 Cells.
Molecular Mass	65~85 kDa, observed by reducing SDS-PAGE.
AA Sequence	APCPDACC PHGSSGLRCTRDGALDSLHHLPGAENLT ELYIENQQHLQHLELRDLRG LGELRNLTIVKSGLR FVAPDAFHFTPRLSRLNLSFNALESLSWKTVQGLSLQELVLSG NPLHCSCALRWLQRWEEEG LGGVPEQKLQCHGQGPLAHMPNASC GVPTLKVQVP NASVDVGDDVLLRCQVEGRGLEQAGWILTELEQ SATVMKSGGLPSLGLTLANVTSD

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LNRKNVTCWAENDVGRAEVSQVNVSPASVQLHTAVEMHHWCIPFSVDGQPAPS
LRWLFNGSVLNETSFIFTEFLEPAANETVRHGCLRLNQPTHVNNNGNYTLAANPFGQ
ASASIMAAFMDNPFEPEDPIPVSFSPVDTNSTSGDP

Endotoxin < 0.2 EU/μg, determined by LAL method.

Purity > 95% as analyzed by SDS-PAGE.

Storage Lyophilized recombinant Human Tyrosine kinase receptor A remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Human Tyrosine kinase receptor A should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.

Storage Buffer Lyophilized after extensive dialysis against PBS.

Reconstitution Reconstituted in ddH₂O or PBS at 100 μg/mL.

GENE INFORMATION

Gene Name [NTRK1 neurotrophic receptor tyrosine kinase 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [NTRK1](#)

Synonyms NTRK1; neurotrophic receptor tyrosine kinase 1; MTC; TRK; TRK1; TRKA; Trk-A; p140-TrkA; high affinity nerve growth factor receptor; Oncogene TRK; TRK1-transforming tyrosine kinase protein; gp140trk; neurotrophic tyrosine kinase, receptor, type 1; tropomyosin-related kinase A; tyrosine kinase receptor A; EC 2.7.10.1

Gene ID [4914](#)

mRNA Refseq [NM_002529](#)

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Protein Refseq	NP_002520
MIM	191315
UniProt ID	P04629

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