

## TrkA, Human

**Cat. No.:** Z03106-10

**Size:** 10.0 ug

**Synonyms:** Trk-A, NTRK1, MTC, TRK, TRKA

### 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.

### Amino Acid Sequence:

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00001 APCPDACCPH GSSGLRCTRD GALDSLHLLP GAENLTELYI
00041 ENQQHLQHLE LRDLRGLGEL RNLTIKKSGL RFVAPDAFHF
00081 TPRLSRLNLS FNALESLSWK TVQGLSLQEL VLSGNPLHCS
00121 CALRWLQRWE EEGLGGVPEQ KLQCHGQGPL AHMPNASCQV
00161 PTLKVQVPNA SVDVGGDDVLL RCQVEGRGLE QAGWILTELE
00201 QSATVMKSGG LPSLGLTLAN VTSDLNRKNV TCWAENDVGR
00241 AEVSVQVNVV FPASVQLHTA VEMHHWCIPF SVDGQPAPSL
00281 RWLFNGSVLN ETSFIFTEFL EPAANETVRH GCLRLNQPTH
00321 VNNGNYTLA ANPFGQASAS IMAAFMDNPF EFNPEPPIPV
00361 SFSPVDTNST SGDP
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**Source:** HEK 293

**Species:** Human

**Biological Activity:** ED<sub>50</sub> < 1 µg/ml, measured in a neutralization assay in the presence of 10 ng/ml human β-NGF using TF-1 Cells.

**Molecular Weight:** 65 85 kDa, observed by reducing SDS-PAGE.

**Formulation:** Lyophilized after extensive dialysis against PBS.

**Reconstitution:** Reconstituted in ddH<sub>2</sub>O or PBS at 100 µg/ml.

**Purity:** > 95% as analyzed by SDS-PAGE.

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

**Storage:** Lyophilized recombinant Human Tyrosine kinase receptor A remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human Tyrosine kinase receptor A should be stable up to 1 week at 4°C or up to 2 months at -20°C.