

Recombinant Rat TrkA, FC Chimera

Cat. No. Ntrk1-589R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat TrkA was expressed in NSO Cells. The recombinant mature human Trk A/Fc is a disulfide-linked homodimeric protein, Based on N-terminal.
Species	Rat
Source	Mammalian Cells
Description	A DNA sequence encoding the signal peptide from human CD33 joined with the extracellular domain of human TrkA was fused to the Fc region of human IgG1 via a polypeptide linker.
Purity	> 95%, as determined by SDS-PAGE and visualized by silver stain.
Endotoxin	< 1.0 EU per 1 µg of the enzyme as determined by the LAL method. Measured by its ability to inhibit NGF-induced proliferation of TF1 cells. The ED50 for this effect is typically 0.8-4 µg/mL in the presence of 10 ng/mL of rhNGF. The cell number is assessed in a fluorometric assay using a redox sensitive dye,
Format	Lyophilized from a 0.2 µm filtered solution in PBS.
Reconstitution	It is recommended that sterile PBS containing at least 0.1% human serum albumin or bovine serum albumin be added to the vial to prepare a stock solution of no less than 100 µg/mL.
Storage	Lyophilized samples are stable for up to six months at -

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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20°C to -70°C. Upon reconstitution, this cytokine, in the presence of a carrier protein, can be stored under sterile conditions at 2 -8°C for one month or at -20°C to -70°C in a manual defrost freezer for three months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	Ntrk1 neurotrophic tyrosine kinase, receptor, type 1 [Rattus norvegicus]
Synonyms	Ntrk; neurotrophic tyrosine kinase, receptor, type 1; Trk; Ntrk1; trk; trk-A; p140-TrkA; trkA proto-oncogene receptor; slow nerve growth factor receptor; high affinity nerve growth factor receptor
Gene ID	59109
mRNA Refseq	NM_021589
Protein Refseq	NP_067600
UniProt ID	P35739.1
Chromosome Location	2q34
Pathway	Endocytosis; MAPK signaling pathway; Neurotrophin signaling pathway; Pathways in cancer; Thyroid cancer
Function	protein binding

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