Acitve Recombinant Rat NTRK1 protein(Met1-Pro418), hFc-tagged

Cat. No. NTRK1-1352R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat NTRK1 (P35739-Isoform TrkA-II)(Met1-Pro418) was expressed in HEK293 with the Fc region of human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Pro418
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to inhibit NGF-induced prolifeRation of TF?1 Human erythroleukemic cells.The ED50 for this effect is typically 0.01-0.1 μg/mL in the presence of 10 ng/mL of recombinant Mouse NGF.
Molecular Mass	The recombinant Rat NTRK1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 627 amino acids and has a predicted molecular mass of 69.2 kDa. The apparent molecular mass of the protein is approximately 92-102 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Ntrk1 neurotrophic tyrosine kinase, receptor, type 1 [Rattus norvegicus]
Official Symbol	NTRK1
Synonyms	NTRK1; neurotrophic tyrosine kinase, receptor, type 1; high affinity nerve growth factor receptor; trk; trk-A; p140-TrkA; TrkA neurotrophin receptor; trkA proto-oncogene receptor; tropomyosin-related kinase A; slow nerve growth factor receptor; Trk;
Gene ID	59109
mRNA Refseq	NM_021589
Protein Refseq	NP_067600

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