Active Recombinant Mouse NTRK1 protein, hFc-tagged

Cat. No. NTRK1-1971M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse NTRK1 protein(NP_001028296.1)(Met1-Gly420), fused with hFc tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Gly420
Form	Lyophilized from sterile PBS, pH 7.4.Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to inhibit NGF-induced proliferation of TF-1 human erythroleukemic cells.The ED50 for this effect is typically 0.02-0.08 μg/mL in the presence of 10 ng/mL of recombinant mouse NGF.
Molecular Mass	The recombinant mouse NTRK1 /Fc is a disulfide-linked homodimer. The reduced monomer comprises 628 amino acids and has a predicted molecular mass of 69.2 kDa. The apparent molecular mass of the protein is approximately 116 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method

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Purity	> 90 % as determined by SDS-PAGE
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 [Mus musculus]
Official Symbol	NTRK1
Synonyms	NTRK1; neurotrophic tyrosine kinase, receptor, type 1; high affinity nerve growth factor receptor; Tkr; trk; TrkA; C80751;
Gene ID	18211
mRNA Refseq	NM_001033124
Protein Refseq	NP_001028296

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