

# Active Recombinant Mouse NTRK1 protein(Met1-Gly420), His-tagged

**Cat. No.** NTRK1-415M    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse NTRK1 (NP_001028296.1)(Met1-Gly420) was expressed in HEK293 with a C-terminal polyhistidine tag.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Gly420
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by its ability to inhibit NGF-induced proliferation of TF-1 human erythroleukemic cells. The ED50 for this effect is typically 0.2-1 µg/mL in the presence of 10 ng/mL of recombinant mouse NGF.
<b>Molecular Mass</b>	The recombinant mouse NTRK1 comprises 398 amino acids and has a predicted molecular mass of 43.7 kDa. The apparent molecular mass of the protein is approximately 69 kDa in SDS-PAGE under reducing conditions due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 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 \[ Mus musculus \]](#)

**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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