

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

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

SPECIFICATION

Product Overview	Recombinant Mouse NTRK1 (NP_001028296.1)(Met1-Gly420) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Gly420
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 0.2-1 µg/mL in the presence of 10 ng/mL of recombinant mouse NGF.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

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

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

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

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

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

 45-1 Ramsey Road, Shirley, NY 11967, USA