

Mouse TrkB/NTRK2 (His Tag) recombinant protein



Catalog Number: 501573

General Information

Gene Name Synonym

GP145-TrkB/GP95-TrkB; Neurotrophic tyrosine kinase receptor type 2; TrkB tyrosine kinase

Protein Construction

A DNA sequence encoding the extracellular domain of mouse NTRK2 (P15209-2) (Met 1-His 429) was expressed, with a C-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized recombinant Mouse/Human BDNF Protein (Native) (Cat:500704) at 10 µg/ml (100 µl/well) can bind biotinylated mouse TrkB-His (Cat:501573) with a linear range of 10-80 ng/ml.

Purity

> 98 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Cys 32

Molecular Mass

The secreted recombinant mouse NTRK2 consists of 409 amino acids and has a calculated molecular mass of 46 kDa. The apparent molecular mass of rm NTRK2 is approximately 75-85 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

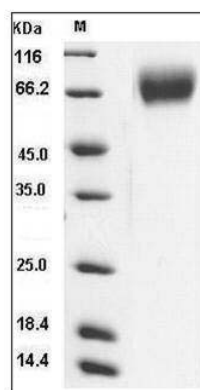
Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Mouse TrkB / NTRK2 Protein (His Tag) SDS-PAGE