

Canine TrkB/NTRK2 (His Tag) recombinant protein



Catalog Number: 504805

General Information

Protein Construction

A DNA sequence encoding the canine NTRK (Met1-His430) was expressed with a C-terminal polyhistidine tag.

Organism

Canine

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA.

Immobilized canine NTRK-His at 10 µg/ml (100 µl/well) can bind biotinylated mouse BDNF (cat:500704), The EC₅₀ of biotinylated mouse BDNF (cat:500704) is 0.07-0.17 µg/ml.

Purity

> 95 % 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 recombinant canine NTRK comprises 410 amino acids and has a predicted molecular mass of 45.6 kDa. The apparent molecular mass of the protein is approximately 66-76 kDa in SDS-PAGE under reducing conditions due to glycosylation.

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

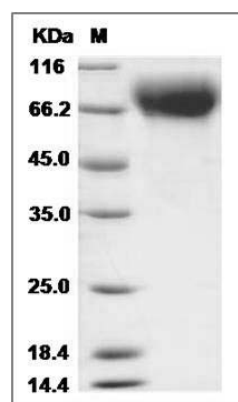
Storage

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



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