

Canine TrkA/NTRK1 (Fc Tag) recombinant protein



Catalog Number: 504818

General Information

Protein Construction

A DNA sequence encoding the canine NTRK1 (XP_851619.3) (Pro285-Lys410) was expressed with the Fc region of human IgG1 at the N-terminus.

Organism

Canine

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit NGF-induced proliferation of TF-1 human erythroleukemic cells. The ED₅₀ for this effect is typically 2-8 µg/mL in the presence of 10 ng/mL of recombinant human NGF.

Purity

> 90 % 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

Glu

Molecular Mass

The recombinant canine NTRK1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 386 amino acids and has a predicted molecular mass of 42.3 kDa. The apparent molecular mass of the protein is approximately 55-61 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

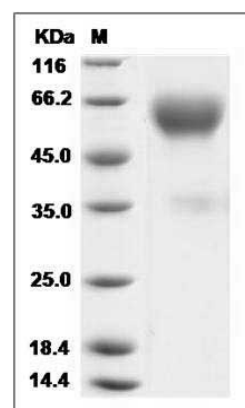
Storage

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



Canine TrkA / NTRK1 Protein (Fc Tag) SDS-PAGE