

Active Recombinant Canine NTRK1 protein(Pro285-Lys410), hFc-tagged

Cat. No. NTRK1-1322C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Canine NTRK1 (XP_851619.3) (Pro285-Lys410) was expressed in HEK293 with the Fc region of human IgG1 at the N-terminus.
Species	Canine
Source	HEK293
ProteinLength	Pro285-Lys410
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 2-8 µg/mL in the presence of 10 ng/mL of recombinant Human NGF.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % 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**Official Symbol**

NTRK1

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