Active Recombinant Canine NTRK Protein, His-tagged

Cat. No. NTRK-1042C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant canine NTRK (Met1-His430) was expressed with a C-terminal polyhistidine tag.
Species	Canine
Source	HEK293
ProteinLength	1-430 a.a.
Predicted N Terminal	Cys 32
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-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, The EC50 of biotinylated mouse BDNF is 0.07-0.17 μg/ml.
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.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.
Storage	Store it under sterile conditions at -20ºC~-70ºC. 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 0.25 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

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