Active Recombinant Dog NTRK Protein, His-tagged, Alexa Fluor 647 conjugated

Cat. No. NTRK-1042CAF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 647 conjugated recombinant canine NTRK (Met1-His430) was expressed with a C-terminal polyhistidine tag.
Species	Dog
Source	HEK293
ProteinLength	410
Form	Lyophilized
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.
N-terminal Sequence Analysis	Cys 32
Endotoxin	< 1.0 EU/ μg of the protein as determined by the LAL method.

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Purity	> 95 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 to-70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from sterile PBS, pH 7.4, 5%-8% trehalose and mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Alexa Fluor 647

GENE INFORMATION

Synonyms	NTRK

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