Recombinant Canine NTRK1 Protein, Fc-tagged, Alexa Fluor 647 conjugated

Cat. No. NTRK1-296CAF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 647 conjugated recombinant Canine NTRK1 (XP_851619.3) (Pro285-Lys410), fused with the Fc region of human IgG1 at the N-terminus, was produced in Human Cells.
Species	Dog
Source	HEK293
ProteinLength	386
Form	Lyophilized
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
N-terminal Sequence Analysis	Glu
Endotoxin	< 1.0 EU/ μg of the protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE

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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. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Alexa Fluor 647

GENE INFORMATION

Gene Name	NTRK1neurotrophic tyrosine kinase, receptor, type 1 [centigrade anis lupus familiaris(dog)]
Official Symbol	NTRK1
Gene ID	490404
mRNA Refseq	XM_547525
Protein Refseq	XP_547525

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