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

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

## SPECIFICATION

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| **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<br>Labeled with Alexa Fluor 647 via amines<br>Excitation = 650 nm<br>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

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| **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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