

## Recombinant Canine NTRK1 Protein, Fc-tagged, FITC conjugated

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

### SPECIFICATION

|                                     |                                                                                                                                                                                                                                                                 |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | FITC 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.                                                                                                  |
| <b>Species</b>                      | Dog                                                                                                                                                                                                                                                             |
| <b>Source</b>                       | HEK293                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>                | 386                                                                                                                                                                                                                                                             |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>               | 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 |
| <b>N-terminal Sequence Analysis</b> | Glu                                                                                                                                                                                                                                                             |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                                    |
| <b>Purity</b>                       | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                                |
| <b>Characteristic</b>               | Disulfide-linked homodimer                                                                                                                                                                                                                                      |

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|                       |                                                                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | <p>Labeled with FITC via amines</p> <p>Excitation source: 488 nm spectral line, argon-ion laser</p> <p>Excitation Wavelength: 488 nm</p> <p>Emission Wavelength: 535 nm</p> |
| <b>Stability</b>      | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                              |
| <b>Storage</b>        | 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.         |
| <b>Storage Buffer</b> | Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.                                                 |
| <b>Reconstitution</b> | 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.   |
| <b>Conjugation</b>    | FITC                                                                                                                                                                        |

## GENE INFORMATION

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

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