

# Recombinant Canine NTRK2 Protein, Fc-tagged, Alexa Fluor 488 conjugated

**Cat. No.** NTRK2-1041CAF488    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                   |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Alexa Fluor 488 conjugated recombinant canine NTRK2 (XP_541264.2) (Met1-His430) was expressed with the Fc region of human IgG1 at the C-terminus. |
| <b>Species</b>                      | Dog                                                                                                                                               |
| <b>Source</b>                       | HEK293                                                                                                                                            |
| <b>ProteinLength</b>                | 640                                                                                                                                               |
| <b>Form</b>                         | Lyophilized                                                                                                                                       |
| <b>Molecular Mass</b>               | 71.2 kDa                                                                                                                                          |
| <b>N-terminal Sequence Analysis</b> | Cys 32                                                                                                                                            |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                      |
| <b>Purity</b>                       | > 95 % as determined by SDS-PAGE                                                                                                                  |
| <b>Characteristic</b>               | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 488 via amines<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm         |

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|                       |                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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, 5%-8% trehalose and mannitol.                                                                                                                     |
| <b>Reconstitution</b> | 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. |
| <b>Conjugation</b>    | Alexa Fluor 488                                                                                                                                                                         |

## GENE INFORMATION

|                        |                                                                                        |
|------------------------|----------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | NTRK2 neurotrophic tyrosine kinase, receptor, type 2 [ <i>Canis lupus familiaris</i> ] |
| <b>Official Symbol</b> | NTRK2                                                                                  |
| <b>Synonyms</b>        | neurotrophic tyrosine kinase receptor type 2                                           |
| <b>Gene ID</b>         | 484147                                                                                 |

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