

# Recombinant Rat Ntrk2 Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** Ntrk2-7471RAF647    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Alexa Fluor 647 conjugated recombinant Rat Ntrk2 (NP_036863) (Met1-His429), fused with the Fc region of human IgG1 at the C-terminus, was produced in Human Cell.                                                                                                      |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 639                                                                                                                                                                                                                                                                    |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | The recombinant Rat NTRK2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 639 amino acids and has a predicted molecular mass of 71.5 kDa. The apparent molecular mass of the protein is approximately 120 kDa in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                                           |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 647 via amines<br>Excitation = 650 nm<br>Emission = 668 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 a 0.2 µm filtered solution of PBS, pH 7.4                                                                                                                |
| <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>      | Alexa Fluor 647                                                                                                                                                           |
| <b>GENE INFORMATION</b> |                                                                                                                                                                           |
| <b>Gene Name</b>        | Ntrk2 neurotrophic tyrosine kinase, receptor, type 2 [ Rattus norvegicus ]                                                                                                |
| <b>Official Symbol</b>  | Ntrk2                                                                                                                                                                     |
| <b>Gene ID</b>          | 25054                                                                                                                                                                     |
| <b>mRNA Refseq</b>      | NM_001163168                                                                                                                                                              |
| <b>Protein Refseq</b>   | NP_001156640                                                                                                                                                              |

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