# Recombinant Human NTRK1 Protein, His-tagged, Alexa Fluor 555 conjugated

**Cat. No.** NTRK1-973HAF555 **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Alexa Fluor 555 conjugated recombinant human NTRK1 (NP_002520.2) amino acid sequence (Pro 285-Glu 413) corresponding to the Ig-like C2-type 2 domain, fused with a N-terminal polyhistidine tag, was produced in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 136 |
| **Form** | Lyophilized |
| **Molecular Mass** | The recombinant human NTRK1 Ig-like C2-type 2 domain (aa 285-413) consists of 136 amino acids and has a predicted molecular mass of 15.1 kDa. It migrates as an approximately 16 kDa band in SDS-PAGE under reducing conditions. |
| **Endotoxin** | < 1.0 EU/ μg of the protein as determined by the LAL method. |
| **Characteristic** | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 555 via amines<br>With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters. |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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| **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 50 mM Tirs, 200 mM NaCl, pH 8.0 |
| **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 555 |

## GENE INFORMATION

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| **Gene Name** | NTRK1 neurotrophic tyrosine kinase, receptor, type 1 [ Homo sapiens ] |
| **Official Symbol** | NTRK1 |
| **Gene ID** | 4914 |
| **mRNA Refseq** | NM_001007792 |
| **Protein Refseq** | NP_001007793 |
| **MIM** | 191315 |
| **UniProt ID** | P04629 |

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