

# Recombinant Human NTRK1 Protein, His-tagged, Alexa Fluor 647 conjugated

**Cat. No.** NTRK1-973HAF647    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 647 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.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	136
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU/ µg of the protein as determined by the LAL method.
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
<b>Stability</b>	Samples are stable for up to 12 months from date of receipt at -70 centigrade.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<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 50 mM Tris, 200 mM NaCl, pH 8.0
<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

## GENE INFORMATION

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

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