

## Recombinant Human NTRK3, His-tagged, Active

Cat. No. NTRK3-450H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human TRKC (507-end) was expressed by baculovirus in <i>Sf9 insect cell</i> using an N-terminal His tag. MW = 38kDa.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>Protein Length</b>	507-end a.a.
<b>Description</b>	<p>TRKC is a member of the TRK family of tyrosine kinase receptors and is the high affinity catalytic receptor for the neurotrophin NT-3 (neurotrophin-3). TRKC mediates the multiple cellular effects of the NT-3 neurotrophic factor, which includes neuronal differentiation and survival. TRKC has been implicated in insulin signaling pathway through interactions with the MUSK protein receptor and the VEGF receptor. Mutations in the TRKC gene have been associated with medulloblastomas, secretory breast carcinomas and other cancers.</p>
<b>Sequence</b>	507-end.
<b>Applications</b>	Kinase Assay, Western Blot.
<b>Storage And Stability</b>	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

 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

## GENE INFORMATION

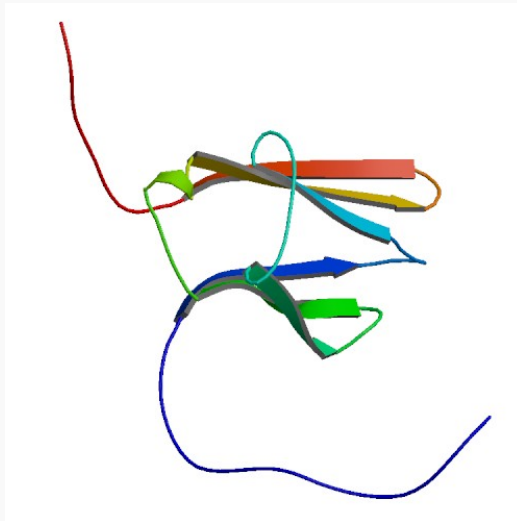
<b>Gene Name</b>	NTRK3 neurotrophic tyrosine kinase, receptor, type 3 [ Homo sapiens ]
<b>Synonyms</b>	NTRK3; neurotrophic tyrosine kinase, receptor, type 3; TRKC; gp145 (trkC); ETV6-NTRK3 fusion; OTTHUMP00000192915; neurotrophin 3 receptor; tyrosine kinase receptor C; NT-3 growth factor receptor; ETS related protein-neurotrophic receptor tyrosine kinase fusion protein; EC 2.7.10.1
<b>Gene ID</b>	4916
<b>mRNA Refseq</b>	NM_001007156
<b>Protein Refseq</b>	NP_001007157
<b>MIM</b>	191316
<b>UniProt ID</b>	Q16288
<b>Chromosome Location</b>	15q24-q25
<b>Pathway</b>	Neurotrophin signaling pathway
<b>Function</b>	ATP binding; neurotrophin receptor activity; nucleotide binding; protein binding; transferase activity; transmembrane receptor protein tyrosine kinase activity

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on 1wwc.



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