

Recombinant Human Neurotrophic Tyrosine Kinase, Receptor, Type 3

Cat. No. NTRK3-497H Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	Mammalian Cells
Description	Tropomyosin-related kinase C (TrkC) is a receptor for neurotrophins, a family of closely related proteins that are important physiological regulators of the survival of specific neurons within the peripheral nervous system (PNS) of vertebrates. TrkC specifically mediates biological responses to neurotrophin-3.
Molecular Weight	The predicted molecular weight of Recombinant Human TrkC is Mr 72 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 130-150 kDa.
State of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 ng per 1 g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage

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instructions.

GENE INFORMATION

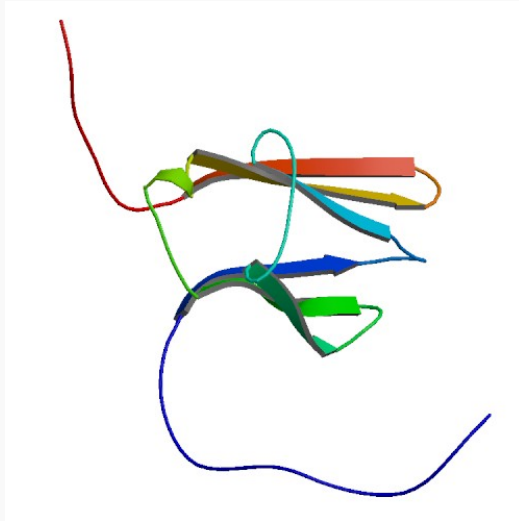
Gene Name	NTRK3 neurotrophic tyrosine kinase, receptor, type 3 [Homo sapiens]
Synonyms	NTRK3; neurotrophic tyrosine kinase, receptor, type 3; TRKC; gp145(trkC); ETV6-NTRK3 fusion; OTTHUMP00000192915; neurotrophin 3 receptor; tyrosine kinase receptor C; NT-3 growth factor receptor; ETS related protein-neurotrophic receptor tyrosine kinase fusion protein; EC 2.7.10.1; GP145-TrkC; OTTHUMP00000192915; Trk-C; Neurotrophic tyrosine kinase receptor type 3; TrkC tyrosine kinase
Gene ID	4916
mRNA Refseq	NM_001007156
Protein Refseq	NP_001007157
MIM	191316
UniProt ID	Q16288
Chromosome Location	15q25
Pathway	Neurotrophin signaling pathway
Function	ATP binding; neurotrophin receptor activity; nucleotide binding; protein binding; transferase activity; transmembrane receptor protein tyrosine kinase activity

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PDB rendering based
on 1wwc.



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