

Active Recombinant Human NTRK3 Protein, Fc Tagged

Cat. No. NTRK3-0748H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human TrkC Protein, Fc Tag is expressed from human 293 cells (HEK293). It contains AA Cys 32-Thr 429 (Accession # Q16288-1). This protein carries a human IgG1 Fc tag at the C-terminus. Predicted N-terminus: Cys 32
Species	Human
Source	HEK293
ProteinLength	32-429 aa
Description	Tropomyosin receptor kinase C (TrkC), also known as NT-3 growth factor receptor, neurotrophic tyrosine kinase receptor type 3, or TrkC tyrosine kinase is a protein that in humans is encoded by the NTRK3 gene. It belongs to the tropomyosin-related kinase (Trk) family of receptor tyrosine kinases (TrkA, TrkB, and TrkC). TrkC is the high affinity catalytic receptor for the neurotrophin NT-3 (neurotrophin-3). As such, TrkC mediates the multiple effects of this neurotrophic factor, which includes neuronal differentiation and survival.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Human NT-3/Neurotrophin-3 Protein at 2 µg/mL (100 µL/well) can bind Human TrkC Protein, Fc Tag with a linear range of 0.3-5 ng/mL.
Molecular Mass	The protein has a calculated MW of 71.2 kDa. The protein migrates as 95-130 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

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Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.
Purity	>95% as determined by SDS-PAGE. >95% as determined by SEC-MALS.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	NTRK3 neurotrophic tyrosine kinase, receptor, type 3 [Homo sapiens (human)]
Official Symbol	NTRK3
Synonyms	NTRK3; neurotrophic tyrosine kinase, receptor, type 3; NT-3 growth factor receptor; TRKC; GP145-TrkC; ETV6-NTRK3 fusion; tyrosine kinase receptor C; ETS related protein-neurotrophic receptor tyrosine kinase fusion protein; gp145(trkC);
Gene ID	4916
mRNA Refseq	NM_001007156
Protein Refseq	NP_001007157
MIM	191316

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UniProt ID

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