

Active Recombinant Human NTRK3 Protein, His-tagged

Cat. No. NTRK3-161H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human TrkC / NTRK3 Protein (Human TrkC, His Tag) Cys 32 - Thr 429 (Accession # AAH13693.1) was produced in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	32-429 a.a.
Predicted N Terminal	Cys 32
Form	Lyophilized from sterile PBS, pH7.4, 10% Trehalose.
Bio-activity	Measured by its ability to inhibit NT-3-induced proliferation of BaF-TrkB-BD mouse pro-B cells transfected with TrkB. The ED50 for this effect is typically 0.01 - 0.1 ug/mL in the presence of 40 ng/mL of recombinant human NT-3.
Molecular Mass	Human TrkC, His Tag is fused with a polyhistidine tag at the C-terminus, and has a calculated MW of 45.6 kDa. The reducing protein migrates as 80-90 kDa in SDS-PAGE due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. 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 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	NTRK3 neurotrophic tyrosine kinase, receptor, type 3 [Homo sapiens]
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
UniProt ID	Q16288
Chromosome Location	15q24-q25

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Pathway

Neurotrophic factor-mediated Trk receptor signaling, organism-specific biosystem;
Neurotrophin signaling pathway, organism-specific biosystem; Neurotrophin signaling pathway, conserved biosystem;

Function

ATP binding; neurotrophin binding; nucleotide binding; receptor activity;
transmembrane receptor protein tyrosine kinase activity;

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