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Product datasheet for TP710140

TrkC (NTRK3) (NM_001012338) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human mitotic spindle organizing protein 2A (MZT2A), residues 32-429aa, with C-terminal DDK tag, expressed in sf9, 20ug
Species:	Human
Expression Host:	Sf9
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC219113, encoding the region(Met-Cys32-Thr299) of Homo sapiens NTRK3
Tag:	C-DDK
Predicted MW:	44.7 kDa
Concentration:	>0.05 μg/μL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, 100 mM glycine, pH 8.0, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001012338
Locus ID:	4916
UniProt ID:	Q16288, X5D2R1
RefSeq Size:	2860
Cytogenetics:	15q25.3
RefSeq ORF:	2517
Synonyms:	gp145(trkC); GP145-TrkC; TRKC

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Summary: This gene encodes a member of the neurotrophic tyrosine receptor kinase (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through this kinase leads to cell differentiation and may play a role in the development of proprioceptive neurons that sense body position. Mutations in this gene have been associated with medulloblastomas, secretory breast carcinomas and other cancers. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2011]

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways: Neurotrophin signaling pathway

Product images: