

Product datasheet for PH303781

TrkC (NTRK3) (NM_001007156) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NTRK3 MS Standard C13 and N15-labeled recombinant protein (NP_001007157)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203781
Predicted MW:	68.5 kDa
Protein Sequence:	>RC203781 protein sequence Red=Cloning site Green=Tags(s)

MDVSLCPAKCSFWRIFLLGSVWLDYVGSVLACPANCVCCKTEINCRPPDDGNLFPILLEGQDSGNSNGNAS
INITDISRNITSIHENWRLHTLNAVDMELYTGLQKLTIKNSGLRSIQPRAFAKNPHLRYINLSSNRLT
TLWQLFQTLRELQLEQNFFNCSDIRWMLWQEQGEAKLNSQNLKYNADGSQLPLFRMNISQCDLP
EISVSHVNLTVREGDNAVITCNGSGSPLPDVDWIVTGLQSIINTHQTNLWNTNVHAINLTLVNVTSSENGF
TLTCIAENVVGMNASVALTVYPPRVVSLPEPELRLEHCIEFVVRGNPPPTLHWHNGQPLRESKIIHV
EYYQEGEISEGCLLFNKPTHYNNNGNYTLIAKNPLGTANQTINGHFLKEPFPESTDNFILFDEVSPPTIT
VTHKPEEDTFGVSIAVGLAAAFACVLLVFLVMINKYGRRSKFGMKGPVAVISGEEDSASPLHHINHGIT
PSSLDAGPDTVVIGMTRIPVIENPQYFRQGHNCHKPDTWVFSNIDNHGILNLDKDRDHLVPSTHYIYEPP
EVQSGEVSYPESHGFRIMLNPIISLPGHSLNNGIYVEDVNVYFSKGRHGF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001007157
RefSeq Size:	4141
RefSeq ORF:	1836



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Synonyms: gp145(trkC); GP145-TrkC; TRKC

Locus ID: 4916

UniProt ID: [Q96CY4](#)

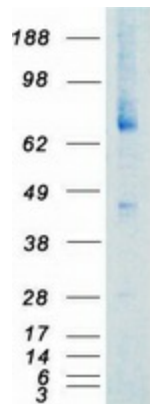
Cytogenetics: 15q25.3

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:



Coomassie blue staining of purified NTRK3 protein (Cat# [TP303781]). The protein was produced from HEK293T cells transfected with NTRK3 cDNA clone (Cat# [RC203781]) using MegaTran 2.0 (Cat# [TT210002]).