

Product datasheet for TP304282

TRAK1 (NM_014965) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human trafficking protein, kinesin binding 1 (TRAK1), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204282 protein sequence Red=Cloning site Green=Tags(s)

MSLRDKGGEEECFEYDCQDEERKPTRHQHDTQDLLLEEVLC AERVGQMTKTYNDIDAVTRLLEEKERDLEL
AARIGQSLKKNKTLTERNELLEEQVEHIREEVSQRLHELMSKDELQFYTSAAESEPESVCSTPLKRN
ESSSSVQNYFHLDSLQKKLKDLEENVWLRSEASQLKTETITYEEKEQQLVNDVCVELRDANVQIASISE
ELAKKTEDAARQQEEITHLSQIVDLQKKAKACAVENEELVQHLGAAKDAQRQLTAELEEDKYAECME
MLHEAQEELKNLRNKTMPNTTSRRYHSLGLFPMDSLAAEIEGTMRKELQEEAESPDIHQKRVFETVRN
INQVVKQRS LTPSPMNIPGSNQSSAMNSLLSSCVSTRSSFYGSDIGNVVLNKTNSIILETEAADLGND
ERSKKPGTGP TPGSHDLETALRRLSLRRENYLSERRFFEEQERKLQELAEKGELRSGSLTPTESIMSLG
THSRFSEFTGFSGMSFSSRSYLPEKLQIVKPLEGSATLHHWQQLA QPHLGGILDPRPGVVTKGFRTLDVD
LDEVYCLNDFEEDDTGDHISLPRLATSTPVQHPETSGERSQARVTVSGRSYSPRPQASPEEMQPEPPAAT
EEEEEEEEEEEEEGSGEGTTISPVNLPFPEAEFWAILTSVPGTIRSGLSVASARLCG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

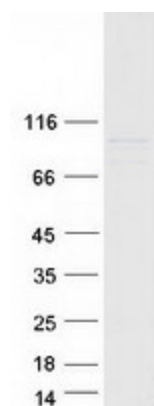
Tag:	C-Myc/DDK
Predicted MW:	77.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.



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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:	<u>NP_055780</u>
Locus ID:	22906
UniProt ID:	<u>Q9UPV9</u> , <u>B7ZAE5</u>
RefSeq Size:	4623
Cytogenetics:	3p22.1
RefSeq ORF:	2064
Synonyms:	EIEE68; MILT1; OIP106
Summary:	Involved in the regulation of endosome-to-lysosome trafficking, including endocytic trafficking of EGF-EGFR complexes and GABA-A receptors (PubMed:18675823). Involved in mitochondrial motility. When O-glycosylated, abolishes mitochondrial motility. Crucial for recruiting OGT to the mitochondrial surface of neuronal processes (PubMed:24995978). TRAK1 and RHOT form an essential protein complex that links KIF5 to mitochondria for light chain-independent, anterograde transport of mitochondria (By similarity).[UniProtKB/Swiss-Prot Function]
Protein Families:	Transcription Factors

Product images:



Coomassie blue staining of purified TRAK1 protein (Cat# TP304282). The protein was produced from HEK293T cells transfected with TRAK1 cDNA clone (Cat# [RC204282]) using MegaTran 2.0 (Cat# [TT210002]).