

Product datasheet for TP304401

TBC1D5 (NM_014744) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human TBC1 domain family, member 5 (TBC1D5), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204401 protein sequence Red =Cloning site Green =Tags(s)

MYHSLSETRHPLQPEEQEVGIDPLSSYSNKGSGDSNKNGRRTSSTLDSEGTFNYSYRKEWEELFVNNNNYLA
 TIRQKGINGQLRSSRFRSICWKLFLCVLPQDKSQWISRIELRAWYSNIKEIHITNPRKVVGQDLMINN
 PLSQDEGSLWNKFFQDKELRSMIEQDVKRTFPEMQFFQQENVRKILTDVLCYARENEQLLYKQGMHEL
 L
 APIVFVLHCDHQAFLHASESAQPSEEMKTVLNPEYLEHDAYAVFSQLMETAEPWFSTFEHDGQKGKETLM
 TPIPFARPQDLGPTIAIVTKVNQIQDHLLKKHDIELYMHLNRLEIAPQIYGLRWVRLFGREFPLQDLLV
 VWDALFADGLSLGLVDYIFVAMLLYIRDALISSNYQTCLGLLMHYPIGDDVHSLILKALFLRDPKRNPRP
 VTYQFHPNLDYYKARGADLMNKSRTNAKGAPLNINKVSNLSLINFGRKLISPAMAPGSAGGPVPGGNSSSS
 SSVIPIRTSAEAPSHHLQQQQQQRLMKSESMPVQLNKGSLSSKNISSSPSVESLPGGREFTGSPSSAT
 KKDSFFSNISRSRSHSKTMGRKESEEELEAQISFLQGQLNDLDAMCKYCAKVMMDTHLVNIQDVILQENLE
 KEDQILVSLAGLKQIKDILKGLRNFNSQLEAEENEQITIADNHYCSSGQGQGRGQGSVQMSGAIKQAS
 SETPGCTDRGNSDDFILISKDDDGSSARGSFSGQAQPLRTLRTSGKSQAPVCSPVFSPLMGPASASS
 SNPSSSPDDDDSSKDSGFTIVSPLDI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

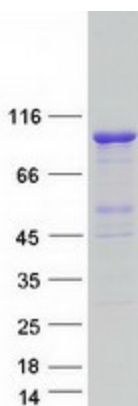
Tag:	C-Myc/DDK
Predicted MW:	88.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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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_055559
Locus ID:	9779
UniProt ID:	Q92609
RefSeq Size:	7869
Cytogenetics:	3p24.3
RefSeq ORF:	2385
Summary:	May act as a GTPase-activating protein (GAP) for Rab family protein(s). May act as a GAP for RAB7A. Can displace RAB7A and retromer CSC subcomplex from the endosomal membrane to the cytosol; at least retromer displacement seems to require its catalytic activity (PubMed:19531583, PubMed:20923837). Required for retrograde transport of cargo proteins from endosomes to the trans-Golgi network (TGN); the function seems to require its catalytic activity. Involved in regulation of autophagy (PubMed:22354992). May act as a molecular switch between endosomal and autophagosomal transport and is involved in reprogramming vesicle trafficking upon autophagy induction. Involved in the trafficking of ATG9A upon activation of autophagy. May regulate the recruitment of ATG9A-AP2-containing vesicles to autophagic membranes (PubMed:24603492).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified TBC1D5 protein (Cat# TP304401). The protein was produced from HEK293T cells transfected with TBC1D5 cDNA clone (Cat# [RC204401]) using MegaTran 2.0 (Cat# [TT210002]).