TBC1 Domain Family Member 17 (TBC1D17) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	TBC1 domain family member 17 (TBC1D17), Recombinant Protein
Full Product Name	Recombinant Human TBC1 domain family member 17 (TBC1D17)
Product Gene Name	TBC1D17 recombinant protein
Product Synonym Gene Name	TBC1D17
Sequence	MEGAGYRVVF EKGGVYLHTS AKKYQDRDSL IAGVIRVVEK DNDVLLHWAP VEEAGDSTQI LFSKKDSSGG DSCASEEEPT FDPDYEPDWA VISTVRPQLC HSEPTRGAEP SCPQGSWAFS VSLGELKSIR RSKPGLSWAY LVLVTQAGGS LPALHFHRGG TRALLRVLSR YLLLASSPQD SRLYLVFPHD SSALSNSFHH LQLFDQDSSN VVSRFLQDPY STTFSSFSRV TNFFRGALQP QPEGAASDLP PPPDDEPEPG FEVISCVELG PRPTVERGPP VTEEEWARHV GPEGRLQQVP ELKNRIFSGG LSPSLRREAW KFLLGYLSWE GTAEEHKAHI RKKTDEYFRM KLQWKSVSPE QERRNSLLHG YRSLIERDVS RTDRTNKFYE GPENPGLGLL NDILLTYCMY HFDLGYVQGM SDLLSPILYV IQNEVDAFWC FCGFMELVQG NFEESQETMK RQLGRLLLLL RVLDPLLCDF LDSQDSGSLC FCFRWLLIWF KREFPFPDVL RLWEVLWTGL PGPNLHLLVA CAILDMERDT LMLSGFGSNE ILKHINELTM KLSVEDVLTR AEALHRQLTA CPELPHNVQE ILGLAPPAEP HSPSPTASPL PLSPTRAPPT PPPSTDTAPQ PDSSLEILPE EEDEGADS
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	67,224 Da
Sequence Positions	1-648, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	616659
3D Structure	ModBase 3D Structure for Q9HA65
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TBC1D17 recombinant protein	MBS1423068 is a recombinant protein targeting TBC1D17. Also known as Recombinant Human TBC1 domain family member 17 (TBC1D17). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of TBC1D17 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TBC1D17. It may not necessarily be applicable to this product.

NCBI GI #	270265908
NCBI GeneID	79735
NCBI Accession #	NP_001161694.1
UniProt Primary Accession #	Q9HA65
UniProt Secondary Accession #	B4DT12; B9A6L8; F5H1W7
UniProt Related Accession #	Q9HA65
GenBank Nucleotide #	NM_001168222.1
NCBI Official Full Name	TBC1 domain family member 17 isoform 2
NCBI Official Synonym Full Names	TBC1 domain family member 17
NCBI Official Symbol	TBC1D17
UniProt Protein Name	TBC1 domain family member 17
Protein Family	TBC1 domain family
UniProt Gene Name	TBC1D17
NCBI Protein Information	TBC1 domain family member 17
UniProt Comments for TBC1D17	Probable GTPase-activating protein for Rab8; its transient association with Rab8 is mediated by OPTN. Inhibits Rab8-mediated endocytic trafficking, such as of transferrin receptor (TfR) and reduces Rab8 recruitnment to tubules emanating from the endocytic recycling compartment (ERC). Involved in regulation of autophagy. Mediates inhibition of autophagy caused by the OPTN variant GLC1E LYS-50; the function requires its catalytic activity, however, the involved Rab is not known.
Research Articles on TBC1D17	**1.** Demonstrate that TBC1D15 and TBC1D17 mediate proper autophagic encapsulation of mitochondria by regulating Rab7 activity at the interface between mitochondria and isolation membranes.
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