TBC1 Domain Family Member 10a (TBC1D10A) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	TBC1 domain family member 10A (TBC1D10A), Recombinant Protein
Full Product Name	Recombinant Human TBC1 domain family member 10A (TBC1D10A)
Product Gene Name	TBC1D10A recombinant protein
Product Synonym Gene Name	TBC1D10A
Sequence	MAKSNGENGP RAPAAGESLS GTRESLAQGP DAATTDELSS LGSDSEANGF AERRIDKFGF IVGSQGAEGA LEEVPLEVLR QRESKWLDML NNWDKWMAKK HKKIRLRCQK GIPPSLRGRA WQYLSGGKVK LQQNPGKFDE LDMSPGDPKW LDVIERDLHR QFPFHEMFVS RGGHGQQDLF RVLKAYTLYR PEEGYCQAQA PIAAVLLMHM PAEQAFWCLV QICEKYLPGY YSEKLEAIQL DGEILFSLLQ KVSPVAHKHL SRQKIDPLLY MTEWFMCAFS RTLPWSSVLR VWDMFFCEGV KIIFRVGLVL LKHALGSPEK VKACQGQYET IERLRSLSPK IMQEAFLVQE VVELPVTERQ IEREHLIQLR RWQETRGELQ CRSPPRLHGA KAILDAEPGP RPALQPSPSI RLPLDAPLPG SKAKPKPPKQ AQKEQRKQMK GRGQLEKPPA PNQAMVVAAA GDACPPQHVP PKDSAPKDSA PQDLAPQVSA HHRSQESLTS QESEDTYL
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	57,935 Da
Sequence Positions	1-508, 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	610020
3D Structure	ModBase 3D Structure for Q9BXI6
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TBC1D10A recombinant protein	MBS1410673 is a recombinant protein targeting TBC1D10A. Also known as Recombinant Human TBC1 domain family member 10A (TBC1D10A). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of TBC1D10A 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 TBC1D10A. It may not necessarily be applicable to this product.

NCBI GI #	323668286

NCBI GeneID	83874
NCBI Accession #	NP_001191169.1
UniProt Primary Accession #	Q9BXI6
UniProt Secondary Accession #	O76053; Q20WK7; Q543A2; B3KXT8
UniProt Related Accession #	Q9BXI6
GenBank Nucleotide #	NM_001204240.1
NCBI Official Full Name	TBC1 domain family member 10A isoform 1
NCBI Official Synonym Full Names	TBC1 domain family member 10A
NCBI Official Symbol	TBC1D10A
NCBI Official Synonym Symbols	EPI64; TBC1D10; dJ130H16.1; dJ130H16.2
UniProt Protein Name	TBC1 domain family member 10A
UniProt Synonym Protein Names	EBP50-PDX interactor of 64 kDa; EPI64 protein; Rab27A-GAP-alpha
Protein Family	TBC1 domain family
UniProt Gene Name	TBC1D10A
UniProt Synonym Gene Names	EPI64; TBC1D10; EPI64 protein
NCBI Protein Information	TBC1 domain family member 10A
UniProt Comments for TBC1D10A	Acts as GTPase-activating protein for RAB27A, but not for RAB2A, RAB3A, nor RAB4A.
Research Articles on TBC1D10A	**1.** Data suggest that Rab35, interacting with TBC1D10A, functions in vascular endothelial cells as a negative regulator of histamine-evoked, Ca2+-dependent Weibel-Palade body exocytosis, most likely acting through the downstream effectors ACAP2 and Arf6. (Rab35 = rab GTP-binding protein 53; TBC1D10A = TBC1 domain family member 10A; ACAP2 = centaurin beta2; Arf6 = ADP-ribosylation factor 6)
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