TBC1 Domain Family Member 24 (TBC1D24) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	TBC1 domain family member 24 (Tbc1d24), Recombinant Protein
Full Product Name	Recombinant Mouse TBC1 domain family member 24 (Tbc1d24)
Product Gene Name	Tbc1d24 recombinant protein
Product Synonym Gene Name	Tbc1d24
Sequence	MDPPGYNCFV DKDKMDASIQ DLGPKELNCT ELQELKQLAR QGYWAQSHTL RGKVYQRLIR DIPCRTVTPD ASVYSDIVGK IVGKHSSSSL PLPEFVDNTQ VPTYCLNTRG EGAVRKILLC IANQFPDISF CPALPAVVAL LLHYSIDEAE CFEKACRILS CNDPTKKLID QSFLAFESSC MTFGDLVNKY CQAAHKLMVA VSEDVLQVYS DWQRWLFGEL PLNYFARVFD VFLVEGYKVL YRVALAILKF FHKVRAGQPL ESDNVKQDIR MFVKDIAKTV SPEKLLEKAF AIRLFSRKEI QLLQMANEKA LRQKGITVKQ KSVSLSKRQF VHLAVHAENF HSEIVSVKEM RDIWSWIPER FALCQPLLLF SSLQHGYSLS RFYFQCEGHE PTLLLIKTTQ KEVCGAYLST DWSERTKFGG KLGFFGTGEC FVFRLQPEVQ RYEWVVIKHP ELTKATSLKS SEAAGSSSLI SHCSSDPADR LSPFLAARHF NLPSKTESMF MAGGNDCLII GGGGGQALYV DGDLNRGRTG HCDTFNNQPL CSENFLIAAV EAWGFQDPDT E
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	62,634 Da
Sequence Positions	1-561, 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.
3D Structure	ModBase 3D Structure for Q3UUG6
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Tbc1d24 recombinant protein	MBS1340991 is a recombinant protein targeting Tbc1d24. Also known as Recombinant Mouse TBC1 domain family member 24 (Tbc1d24). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Tbc1d24 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 Tbc1d24. It may not necessarily be applicable to this product.

NCBI GI #	255522817
NCBI GeneID	224617

NCBI Accession #	NP_001157319.1
UniProt Primary Accession #	Q3UUG6
UniProt Secondary Accession #	Q3TTZ8; Q3UH11; Q6ZPW4; Q8BH92; Q8BNF2; Q8C3C6; Q8C3W8; A5D6Q7
UniProt Related Accession #	Q3UUG6
GenBank Nucleotide #	NM_001163847.1
NCBI Official Full Name	TBC1 domain family member 24 isoform a
NCBI Official Synonym Full Names	TBC1 domain family, member 24
NCBI Official Symbol	Tbc1d24
NCBI Official Synonym Symbols	mKIAA1171; 9630033P11; C530046L02Rik
UniProt Protein Name	TBC1 domain family member 24
Protein Family	TBC1 domain family
UniProt Gene Name	Tbc1d24
UniProt Synonym Gene Names	Kiaa1171
NCBI Protein Information	TBC1 domain family member 24
UniProt Comments for Tbc1d24	May act as a GTPase-activating protein for Rab family protein(s). Involved in neuronal projections development, probably through a negative modulation of ARF6 function.
Research Articles on Tbc1d24	**1.** that the p.Ser178Leu mutation of TBC1D24 is a probable cause for dominant, nonsyndromic hearing impairment. Identification of TBC1D24 as the stereocilia-expressing gene may shed new light on its specific function in the inner ear.
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