Mitochondrial Import Receptor Subunit TOM22 Homolog (TOMM22) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mitochondrial import receptor subunit TOM22 homolog (TOMM22), Recombinant Protein
Full Product Name	Recombinant Human Mitochondrial import receptor subunit TOM22 homolog (TOMM22), partial
Product Gene Name	TOMM22 recombinant protein
Product Synonym Gene Name	TOMM22
Sequence	AAAVAAAGAG EPQSPDELLP KGDAEKPEEE LEEDDDEELD ETLSERLWGL TEMFPERVRS AAGATFDLSL FVAQKMYRFS RA
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	15,522 Da
Sequence Positions	2-83. intact intracellular domain
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	607046
3D Structure	ModBase 3D Structure for Q9NS69
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TOMM22 recombinant protein	This protein is an integral membrane protein of the mitochondrial outer membrane. The encoded protein interacts with TOMM20 and TOMM40, and forms a complex with several other proteins to import cytosolic preproteins into the mitochondrion.
Other Notes	Small volumes of TOMM22 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.
Searchable Terms for TOMM22 purchase	MBS1322651 is a recombinant protein targeting TOMM22. Also known as Recombinant Human Mitochondrial import receptor subunit TOM22 homolog (TOMM22), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TOMM22. It may not necessarily be applicable to this product.

NCBI GI #	9910382

NCBI GeneID	56993
NCBI Accession #	NP_064628.1
UniProt Primary Accession #	Q9NS69
UniProt Related Accession #	Q9NS69
GenBank Nucleotide #	NM_020243.4
NCBI Official Full Name	mitochondrial import receptor subunit TOM22 homolog
NCBI Official Synonym Full Names	translocase of outer mitochondrial membrane 22
NCBI Official Symbol	TOMM22
NCBI Official Synonym Symbols	1C9-2; TOM22; MST065; MSTP065
UniProt Protein Name	Mitochondrial import receptor subunit TOM22 homolog
UniProt Synonym Protein Names	1C9-2; Translocase of outer membrane 22 kDa subunit homolog
UniProt Gene Name	TOMM22
UniProt Synonym Gene Names	TOM22; hTom22
NCBI Protein Information	mitochondrial import receptor subunit TOM22 homolog
NCBI Summary for TOMM22	The protein encoded by this gene is an integral membrane protein of the mitochondrial outer membrane. The encoded protein interacts with TOMM20 and TOMM40, and forms a complex with several other proteins to import cytosolic preproteins into the mitochondrion. [provided by RefSeq, Jul 2008]
UniProt Comments for TOMM22	Central receptor component of the translocase of the outer membrane of mitochondria (TOM complex) responsible for the recognition and translocation of cytosolically synthesized mitochondrial preproteins. Together with the peripheral receptor TOM20 functions as the transit peptide receptor and facilitates the movement of preproteins into the translocation pore.
Research Articles on TOMM22	**1.** A directed proteomic approach discovered the novel interaction of BKCa with Tom22, a component of the mitochondrion outer membrane import system, and the adenine nucleotide translocator (ANT).
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