TIMM10 Antibody (Center) Blocking Peptide

PRODUCT OVERVIEW

Product Name	TIMM10, Blocking Peptide
Full Product Name	TIMM10 Antibody (Center) Blocking Peptide
Product Gene Name	TIMM10 blocking peptide
Product Synonym Gene Name	TIM10
Product Synonym Names	Mitochondrial import inner membrane translocase subunit Tim10; TIMM10; TIM10
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	TIMM10 peptide (MBS9224075) is used for blocking the activity of TIMM10 antibody (MBS9213216)
Molecular Weight	10,333 Da
OMIM	602251
Cellular Location	Mitochondrion inner membrane; Peripheral membrane protein; Intermembrane side
Tissue Location	Ubiquitous, with highest expression in heart, kidney, liver and skeletal muscle.
Related Product Information for TIMM10 blocking peptide	Mitochondrial intermembrane chaperone that participates in the import and insertion of multi-pass transmembrane proteins into the mitochondrial inner membrane. May also be required for the transfer of beta-barrel precursors from the TOM complex to the sorting and assembly machinery (SAM complex) of the outer membrane. Acts as a chaperone-like protein that protects the hydrophobic precursors from aggregation and guide them through the mitochondrial intermembrane space.
Other Notes	Small volumes of TIMM10 blocking peptide 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 TIMM10 purchase	MBS9224075 is a blocking peptide targeting TIMM10. Also known as TIMM10 Antibody (Center) Blocking Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TIMM10. It may not necessarily be applicable to this product.

NCBI GI #	49065657
NCBI GeneID	26519
NCBI Accession #	P62072.1
UniProt Primary Accession #	P62072
UniProt Secondary Accession #	Q9WV99; Q9WVA0; Q9Y5J8; A8K136
UniProt Related Accession #	P62072
NCBI Official Full Name	Mitochondrial import inner membrane translocase subunit Tim10
NCBI Official Synonym Full Names	translocase of inner mitochondrial membrane 10 homolog (yeast)
NCBI Official Symbol	TIMM10
NCBI Official Synonym Symbols	TIM10; TIM10A

UniProt Protein Name	Mitochondrial import inner membrane translocase subunit Tim10
UniProt Gene Name	TIMM10
UniProt Synonym Gene Names	TIM10
UniProt Entry Name	TIM10_HUMAN
NCBI Protein Information	mitochondrial import inner membrane translocase subunit Tim10
NCBI Summary for TIMM10	The mitochondrial protein encoded by this gene belongs to a family of evolutionarily conserved proteins that are organized in heterooligomeric complexes in the mitochondrial intermembrane space. These proteins mediate the import and insertion of hydrophobic membrane proteins into the mitochondrial inner membrane, functioning as intermembrane space chaperones for the highly insoluble carrier proteins. [provided by RefSeq, Nov 2011]
UniProt Comments for TIMM10	TIMM10: Mitochondrial intermembrane chaperone that participates in the import and insertion of multi-pass transmembrane proteins into the mitochondrial inner membrane. May also be required for the transfer of beta-barrel precursors from the TOM complex to the sorting and assembly machinery (SAM complex) of the outer membrane. Acts as a chaperone-like protein that protects the hydrophobic precursors from aggregation and guide them through the mitochondrial intermembrane space. Belongs to the small Tim family. Protein type: Mitochondrial Chromosomal Location of Human Ortholog: 11q12.1 Cellular Component: mitochondrial inner membrane; mitochondrial inner membrane presequence translocase complex; mitochondrial intermembrane space; mitochondrial intermembrane space protein transporter complex; mitochondrion Molecular Function: chaperone binding; protein binding; protein homodimerization activity; protein transporter activity; transporter activity; zinc ion binding Biological Process: protein import into mitochondrial inner membrane; protein targeting to mitochondrion; sensory perception of sound
Research Articles on TIMM10	**1.** Observational study of gene-disease association. (HuGE Navigator)
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