SAMM50 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	SAMM50, Blocking Peptide
Full Product Name	SAMM50 Peptide - N-terminal region
Product Gene Name	SAMM50 blocking peptide
Product Synonym Gene Name	OMP85; SAM50; TOB55; TRG-3; YNL026W
Sequence	GLGRTKDDII ICEIGDVFKA KNLIEVMRKS HEAREKLLRL GIFRQVDVLI
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	SAMM50 peptide (MBS3242518) is used for blocking the activity of SAMM50 antibody (MBS3217622)
Molecular Weight	52kDa
OMIM	612058
Product Categories/Family for SAMM50 blocking peptide	Peptide
Applications Tested/Suitable for SAMM50 blocking peptide	Western Blot (WB)
Related Product Information for SAMM50 blocking peptide	This is a synthetic peptide designed for use in combination with anti-SAMM50 Antibody, made Target Description: This gene encodes a component of the Sorting and Assembly Machinery (SAM) of the mitochondrial outer membrane. The Sam complex functions in the assembly of beta-barrel proteins into the outer mitochondrial membrane.
Other Notes	Small volumes of SAMM50 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 SAMM50 purchase	MBS3242518 is a blocking peptide targeting SAMM50. Also known as SAMM50 Peptide - N-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SAMM50. It may not necessarily be applicable to this product.

NCBI GI #	225543166
NCBI GeneID	25813
NCBI Accession #	NP_056195
UniProt Primary Accession #	Q9Y512
UniProt Related Accession #	Q9Y512
GenBank Nucleotide #	NM_015380
NCBI Official Full Name	sorting and assembly machinery component 50 homolog

NCBI Official Synonym Full Names	SAMM50 sorting and assembly machinery component
NCBI Official Symbol	SAMM50
NCBI Official Synonym Symbols	OMP85; SAM50; TOB55; TRG-3; CGI-51; YNL026W
UniProt Protein Name	Sorting and assembly machinery component 50 homolog
UniProt Synonym Protein Names	Transformation-related gene 3 protein; TRG-3
Protein Family	Sorting and assembly machinery component
UniProt Gene Name	SAMM50
UniProt Synonym Gene Names	SAM50; TRG-3
UniProt Entry Name	SAM50_HUMAN
NCBI Protein Information	sorting and assembly machinery component 50 homolog
NCBI Summary for SAMM50	This gene encodes a component of the Sorting and Assembly Machinery (SAM) of the mitochondrial outer membrane. The Sam complex functions in the assembly of beta-barrel proteins into the outer mitochondrial membrane.[provided by RefSeq, Jun 2011]
UniProt Comments for SAMM50	SAMM50: May be required for the assembly pathway of mitochondrial outer membrane proteins. Belongs to the SAM50/omp85 family. Protein type: Membrane protein, multi-pass; Mitochondrial Chromosomal Location of Human Ortholog: 22q13.31 Cellular Component: mitochondrial outer membrane; mitochondrion; mitochondrial inner membrane; integral to membrane Molecular Function: protein binding Biological Process: cellular protein metabolic process; protein targeting to mitochondrion; protein import into mitochondrial outer membrane
Research Articles on SAMM50	**1.** The authors results demonstrate that SNP in the SAMM50 gene is significantly associated with the presence and severity of NAFLD in a Korean populations.
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