SEC61B Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	SEC61B, Blocking Peptide
Full Product Name	SEC61B Blocking Peptide
Product Gene Name	SEC61B blocking peptide
Product Synonym Names	Protein translocation complex beta; Protein transport protein SEC61 beta subunit; Protein transport protein Sec61 subunit beta; SC61B_HUMAN; SEC 61B; SEC61 B; Sec61 beta subunit; Sec61 complex beta subunit; SEC61B
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 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
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	SEC61B peptide (MBS9628807) is used for blocking the activity of SEC61B antibody (MBS9610103)
Molecular Weight	9,974 Da
OMIM	609214
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for SEC61B blocking peptide	Blocking/Control
Related Product Information for SEC61B blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of SEC61B 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 SEC61B purchase	MBS9628807 is a blocking peptide targeting SEC61B.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SEC61B. It may not necessarily be applicable to this product.

NCBI GI #	5803165
NCBI GeneID	10952
NCBI Accession #	NP_006799.1
UniProt Primary Accession #	P60468
UniProt Secondary Accession #	P38390; P38391; Q6IBC1

UniProt Related Accession #	P60468
GenBank Nucleotide #	NM_006808.2
NCBI Official Full Name	protein transport protein Sec61 subunit beta
NCBI Official Synonym Full Names	Sec61 beta subunit
NCBI Official Symbol	SEC61B
UniProt Protein Name	Protein transport protein Sec61 subunit beta
Protein Family	Protein transport protein
UniProt Gene Name	SEC61B
UniProt Entry Name	SC61B_HUMAN
NCBI Protein Information	protein transport protein Sec61 subunit beta; Sec61 complex, beta subunit; protein translocation complex beta; protein transport protein SEC61 beta subunit
NCBI Summary for SEC61B	The Sec61 complex is the central component of the protein translocation apparatus of the endoplasmic reticulum (ER) membrane. Oligomers of the Sec61 complex form a transmembrane channel where proteins are translocated across and integrated into the ER membrane. This complex consists of three membrane proteins- alpha, beta, and gamma. This gene encodes the beta-subunit protein. The Sec61 subunits are also observed in the post-ER compartment, suggesting that these proteins can escape the ER and recycle back. There is evidence for multiple polyadenylated sites for this transcript. [provided by RefSeq, Jul 2008]
UniProt Comments for SEC61B	SEC61B: Necessary for protein translocation in the endoplasmic reticulum. Belongs to the SEC61-beta family. Protein type: Endoplasmic reticulum; Membrane protein, integral Chromosomal Location of Human Ortholog: 9q22.33 Cellular Component: membrane; endoplasmic reticulum; integral to membrane Molecular Function: protein binding; epidermal growth factor binding Biological Process: retrograde protein transport, ER to cytosol; SRP-dependent cotranslational protein targeting to membrane; antigen processing and presentation of peptide antigen via MHC class I; ER-associated protein catabolic process; cellular protein metabolic process; translation; protein import into nucleus, translocation; antigen processing and presentation of exogenous peptide antigen via MHC class I, TAP-dependent; antigen processing and presentation of exogenous peptide antigen via MHC class I; gene expression
Research Articles on SEC61B	**1.** Sec61beta-KD cells also exhibited altered ATP7A cellular distribution.
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