

SC11A Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20098c**Specification**

SC11A Blocking Peptide (Center) - Product Information

Primary Accession [P67812](#)
Other Accession [P0C7V7](#), [P42667](#), [Q9R0P6](#), [P67810](#),
[NP_055115.1](#)

SC11A Blocking Peptide (Center) - Additional Information

Gene ID 23478

Other Names

Signal peptidase complex catalytic subunit SEC11A, Endopeptidase SP18, Microsomal signal peptidase 18 kDa subunit, SPase 18 kDa subunit, SEC11 homolog A, SEC11-like protein 1, SPC18, SEC11A, SEC11L1, SPC18, SPCS4A

Target/Specificity

The synthetic peptide sequence is selected from aa 110-123 of HUMAN SEC11A

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SC11A Blocking Peptide (Center) - Protein Information

Name SEC11A

Synonyms SEC11L1, SPC18, SPCS4A

Function

Catalytic component of the signal peptidase complex (SPC) which catalyzes the cleavage of N-terminal signal sequences from nascent proteins as they are translocated into the lumen of the endoplasmic reticulum (PubMed:34388369). Specifically cleaves N- terminal signal peptides that contain a hydrophobic alpha-helix (h- region) shorter than 18-20 amino acids (PubMed:34388369).

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P67811}; Single-pass type II

membrane protein {ECO:0000250|UniProtKB:P67811}

SC11A Blocking Peptide (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SC11A Blocking Peptide (Center) - Images

SC11A Blocking Peptide (Center) - Background

Component of the microsomal signal peptidase complex which removes signal peptides from nascent proteins as they are translocated into the lumen of the endoplasmic reticulum (By similarity).

SC11A Blocking Peptide (Center) - References

Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :
Dodson, G., et al. Curr. Opin. Struct. Biol. 8(2):189-194(1998)