

**SEC11A Blocking Peptide (Center)**

Synthetic peptide

Catalog # BP20099c

**Specification**

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**SEC11A Blocking Peptide (Center) - Product Information**

Primary Accession

[P67812](#)

Other Accession

[POC7V7](#), [P42667](#), [Q9R0P6](#), [P67810](#),  
[NP\\_055115.1](#)**SEC11A 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.

**SEC11A 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:<a href="http://www.uniprot.org/citations/34388369" target="\_blank">34388369</a>). Specifically cleaves N- terminal signal peptides that contain a hydrophobic alpha-helix (h- region) shorter than 18-20 amino acids (PubMed:<a href="http://www.uniprot.org/citations/34388369" target="\_blank">34388369</a>).

**Cellular Location**

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

membrane protein {ECO:0000250|UniProtKB:P67811}

### **SEC11A Blocking Peptide (Center) - Protocols**

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

- [Blocking Peptides](#)

### **SEC11A Blocking Peptide (Center) - Images**

### **SEC11A 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).

### **SEC11A 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)