

SEC11C Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21629c**Specification**

SEC11C Blocking Peptide (Center) - Product InformationPrimary Accession [Q9BY50](#)**SEC11C Blocking Peptide (Center) - Additional Information****Gene ID** 90701**Other Names**

Signal peptidase complex catalytic subunit SEC11C, Microsomal signal peptidase 21 kDa subunit, SPase 21 kDa subunit, SEC11 homolog C, SEC11-like protein 3, SPC21, SEC11C, SEC11L3, SPC21, SPCS4C

Target/Specificity

The synthetic peptide sequence is selected from aa 85-100 of HUMAN SEC11C

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.

SEC11C Blocking Peptide (Center) - Protein Information**Name** SEC11C**Synonyms** SEC11L3, SPC21, SPCS4C**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:P13679}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:P13679}

SEC11C Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

SEC11C Blocking Peptide (Center) - Images

SEC11C 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.

SEC11C Blocking Peptide (Center) - References

Li Y.,et al.Submitted (DEC-1999) to the EMBL/GenBank/DDBJ databases.

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).