

SPCS1 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21622c**Specification**

SPCS1 Blocking Peptide (Center) - Product InformationPrimary Accession [Q9Y6A9](#)**SPCS1 Blocking Peptide (Center) - Additional Information****Gene ID** 28972**Other Names**

Signal peptidase complex subunit 1, 34--, Microsomal signal peptidase 12 kDa subunit, SPase 12 kDa subunit, SPCS1, SPC12

Target/Specificity

The synthetic peptide sequence is selected from aa 86-100 of HUMAN SPCS1

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.

SPCS1 Blocking Peptide (Center) - Protein Information**Name** SPCS1**Synonyms** SPC12**Function**

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). Dispensable for SPC enzymatic activity (By similarity).

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P83362}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P83362}

SPCS1 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

SPCS1 Blocking Peptide (Center) - Images

SPCS1 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.

SPCS1 Blocking Peptide (Center) - References

Zhang Q.-H.,et al.Genome Res. 10:1546-1560(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Kalies K.-U.,et al.J. Biol. Chem. 271:3925-3929(1996).
Muzny D.M.,et al.Nature 440:1194-1198(2006).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).