10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SPCS1 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP21622c

Specification

SPCS1 Blocking Peptide (Center) - Product Information

Primary 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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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).