

CERS4 Blocking Peptide (N-Term)

Synthetic peptide

Catalog # BP21979a

Specification

CERS4 Blocking Peptide (N-Term) - Product Information

Primary Accession

[Q9HA82](#)**CERS4 Blocking Peptide (N-Term) - Additional Information****Gene ID** 79603**Other Names**

Ceramide synthase 4, CerS4, LAG1 longevity assurance homolog 4, CERS4, LASS4

Target/Specificity

The synthetic peptide sequence is selected from aa 21-31 of HUMAN CERS4

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.

CERS4 Blocking Peptide (N-Term) - Protein Information**Name** CERS4 {ECO:0000303|PubMed:17977534, ECO:0000312|HGNC:HGNC:23747}**Function**

Ceramide synthase that catalyzes formation of ceramide from sphinganine and acyl-CoA substrates, with high selectivity toward long and very-long chains (C18:0-C22:0) as acyl donor.

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9D6J1}; Multi-pass membrane protein

CERS4 Blocking Peptide (N-Term) - Protocols

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

- [Blocking Peptides](#)

CERS4 Blocking Peptide (N-Term) - Images

CERS4 Blocking Peptide (N-Term) - Background

May be either a bona fide (dihydro)ceramide synthase or a modulator of its activity. When overexpressed in cells is involved in the production of sphingolipids containing different fatty acid donors (N-linked stearyl- (C18) or arachidoyl- (C20) ceramides) in a fumonisin B1-independent manner (By similarity).

CERS4 Blocking Peptide (N-Term) - References

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

Grimwood J.,et al.Nature 428:529-535(2004).

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