

LASS5 Blocking Peptide
Catalog # PBV10379b**Specification**

LASS5 Blocking Peptide - Product Information

Primary Accession	Q8N5B7
Other Accession	AAH33558.1
Gene ID	91012
Calculated MW	45752

LASS5 Blocking Peptide - Additional Information**Gene ID** 91012**Application & Usage**

The peptide is used for blocking the antibody activity of Lass5. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

Ceramide synthase 5, CerS5, 2.3.1.24, LAG1 longevity assurance homolog 5, CERS5, LASS5

Target/Specificity

LASS5

Formulation

50 µg (0.5 mg/ml) Lass5 peptide in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

LASS5 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

LASS5 Blocking Peptide - Protein Information**Name** CERS5 ([HGNC:23749](#))**Function**

Ceramide synthase that catalyzes the transfer of the acyl chain from acyl-CoA to a sphingoid base, with high selectivity toward palmitoyl-CoA (hexadecanoyl-CoA; C16:0-CoA)(PubMed:16951403, PubMed:<a

[18541923](http://www.uniprot.org/citations/18541923), PubMed: [22144673](http://www.uniprot.org/citations/22144673), PubMed: [22661289](http://www.uniprot.org/citations/22661289), PubMed: [23530041](http://www.uniprot.org/citations/23530041), PubMed: [26887952](http://www.uniprot.org/citations/26887952), PubMed: [29632068](http://www.uniprot.org/citations/29632068), PubMed: [31916624](http://www.uniprot.org/citations/31916624)). Can use other acyl donors, but with less efficiency (By similarity). N-acylates sphinganine and sphingosine bases to form dihydroceramides and ceramides in de novo synthesis and salvage pathways, respectively (PubMed: [31916624](http://www.uniprot.org/citations/31916624)). Plays a role in de novo ceramide synthesis and surfactant homeostasis in pulmonary epithelia (By similarity).

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9D6K9}; Multi-pass membrane protein

LASS5 Blocking Peptide - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LASS5 Blocking Peptide - Images