

Datasheet for ABIN7553314  
**LASS5 Protein (AA 1-392) (His tag)**



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## Overview

Quantity:	1 mg
Target:	LASS5
Protein Characteristics:	AA 1-392
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LASS5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat CERS5 Protein expressed in mammalian cells.
Sequence:	MATAAQGPLS LLWGWLWSER FWLPENSWA DLEGPADGYG YPRGRHILSV FPLAAGIFFV RLLFERFIAK PCALCIGIED SGPYQAQPN A ILEKVFISIT KYPDKKRLEG LSKQLDWNVR KIQCWFRHRR NQDKPPTLTK FCESMWRFTF YLCIFCYGIR FLWSSPWFDW IRQCWHNYPF QPLSSGLYHY YIMELAFYWS LMFSQFTDIK RKDFLIMFVH HLVITIGLISF SYINNMVRVG TLIMCLHDVS DFLLEAAKLA NYAKYQLCD TLFVIFSAVF MVTRLGIYPF WILNTTLFES WEIIGPYASW WLLNGLLLTL QLLHVIWSYL IARIALKALI RGKVKSKDDRS DVESSEEEED VTTCTKSPCD SSSSNGANRV NGHMGGSYWA EE <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>
Characteristics:	Key Benefits:

## Product Details

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- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity: > 90 % as determined by Bis-Tris Page, Western Blot

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Grade: custom-made

## Target Details

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Target: LASS5

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Alternative Name: CERS5 ([LASS5 Products](#))

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Background: Ceramide synthase 5 (CerS5) (LAG1 longevity assurance homolog 5) (Sphingoid base N-palmitoyltransferase CERS5) (EC 2.3.1.291) (Sphingosine N-acyltransferase CERS5) (EC 2.3.1.24),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:18541923, PubMed:22144673, PubMed:22661289, PubMed:23530041, PubMed:26887952, PubMed:29632068, PubMed: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). Plays a role in de novo ceramide synthesis and surfactant homeostasis in pulmonary epithelia (By similarity). {ECO:0000250|UniProtKB:Q9D6K9, ECO:0000269|PubMed:16951403, ECO:0000269|PubMed:18541923, ECO:0000269|PubMed:22144673, ECO:0000269|PubMed:22661289, ECO:0000269|PubMed:23530041, ECO:0000269|PubMed:26887952, ECO:0000269|PubMed:29632068, ECO:0000269|PubMed:31916624}.

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## Target Details

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Molecular Weight: 45.8 kDa

UniProt: [Q8N5B7](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months