

Datasheet for ABIN7561050
LASS5 Protein (AA 1-414) (His tag)



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Overview

Quantity:	1 mg
Target:	LASS5
Protein Characteristics:	AA 1-414
Origin:	Mouse
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 mammalien cells.
Sequence:	<p>MATAAAETLG LLWGWLWSES FWLPQNVSWA DLEPGDGYG YPRAQHVLSV FPLAVCIFS RMLFERFIAK PCALRVGIKD SPVNVKVEPND TLEKVFVSVT KYPDEKRLKG LSKQLDWSVR KIQCWFRHRR NQDKPPTLTK FCESMWRTY YLCIFCYGIR FLWSMPWFWD TRQCWYNYPY QPLSRELYYY YITQLAFYWS LMFSQFIDVK RKDFLMMFIH HMIGIMLTTF SYVNNMVRVG ALIFCLHDFA DPLLEAAKMA NYARRERLCT TLFVIFGAAF IVSRLAIFPL WILNTTLFES WEIIGPYPSW WLFNALLLIL QVLHAIWSYL IVQTASKALS RGKVKSDDRS DVESSEED ETTHKNLNSG SSSSNGANCM NGYMGGSHLA EEQGTCKATG NLHFRASPHL HSCD 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.</p>
Characteristics:	Key Benefits:

Product Details

- 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.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	LASS5
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Alternative Name:	Cers5 (LASS5 Products)
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Background:	<p>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) (Translocating chain-associating membrane protein homolog 4) (TRAM homolog 4),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:12912983, PubMed:15823095, PubMed:16100120, PubMed:17977534, PubMed:17609214, PubMed:26853464). Can use other acyl donors, but with less efficiency (PubMed:15823095). N-acylates sphinganine and sphingosine bases to form dihydroceramides and ceramides in de novo synthesis and salvage pathways, respectively (PubMed:12912983, PubMed:15823095, PubMed:15772421, PubMed:17977534). Plays a role in de novo ceramide synthesis and surfactant homeostasis in pulmonary epithelia (PubMed:15772421).</p> <p>{ECO:0000269 PubMed:12912983, ECO:0000269 PubMed:15772421, ECO:0000269 PubMed:15823095, ECO:0000269 PubMed:16100120, ECO:0000269 PubMed:17609214, ECO:0000269 PubMed:17977534,</p>
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Target Details

ECO:0000269|PubMed:26853464}.

Molecular Weight: 48.2 kDa

UniProt: [Q9D6K9](#)

Application Details

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

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