

Datasheet for ABIN7553420
LASS3 Protein (AA 1-383) (His tag)



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Overview

| | |
|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | LASS3 (CERS3) |
| Protein Characteristics: | AA 1-383 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This LASS3 protein is labelled with His tag. |
| Application: | Western Blotting (WB), SDS-PAGE (SDS) |

Product Details

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| Purpose: | Custom-made recombinat CERS3 Protein expressed in mammalian cells. |
| Sequence: | <p>MFWTFKEWFW LERFWLPPTI KWSDLEDHDG LVFVKPSHLY VTIPYAFLLI IIRRVFEKRV ASPLAKSFGI KETVRKVTPN TVLENFFKHS TRQPLQTDIY GLAKKCNLTE RQVERWFRSR RNQERPSRLK KFQEACWRFA FYLMITVAGI AFLYDKPWLY DLWEVWNGYP KQPLLPSQYW YYILEMSFYW SLLFRLGFDV KRKDFLAHII HHLAAISLMS FSWCANYIRS GTLVMIVHDV ADIWLESAMK FSYAGWTQTC NTLFFIFSTI FFISRLIVFP FWILYCTLIL PMYHLEPFFS YIFLNQLMI LQVLHLYWGY YILKMLNRCI FMKSIQDVRS DDEDYEEEEEE EEEEEATKGG EMDCLKNGLR AERHLIPNGQ HGH 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

Grade: custom-made

Target Details

Target: LASS3 (CERS3)

Alternative Name: CERS3 ([CERS3 Products](#))

Background: Ceramide synthase 3 (CerS3) (Dihydroceramide synthase 3) (LAG1 longevity assurance homolog 3) (Sphingosine N-acyltransferase CERS3) (EC 2.3.1.24) (Ultra-long-chain ceramide synthase CERS3) (EC 2.3.1.298) (Very-long-chain ceramide synthase CERS3) (EC 2.3.1.297),FUNCTION: Ceramide synthase that catalyzes the transfer of the acyl chain from acyl-CoA to a sphingoid base, with high selectivity toward very- and ultra-long-chain fatty acyl-CoA (chain length greater than C22) (PubMed:17977534, PubMed:22038835, PubMed:26887952). N-acylates sphinganine and sphingosine bases to form dihydroceramides and ceramides in de novo synthesis and salvage pathways, respectively (PubMed:17977534, PubMed:22038835, PubMed:26887952). It is crucial for the synthesis of ultra-long-chain ceramides in the epidermis, to maintain epidermal lipid homeostasis and terminal differentiation (PubMed:23754960). {ECO:0000269|PubMed:17977534, ECO:0000269|PubMed:22038835, ECO:0000269|PubMed:23754960, ECO:0000269|PubMed:26887952}.

Molecular Weight: 46.3 kDa

Target Details

UniProt: [Q8IU89](#)

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