Datasheet for ABIN7553811

ELOVL1 Protein (AA 1-279) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	ELOVL1
Protein Characteristics:	AA 1-279
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ELOVL1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat ELOVL1 Protein expressed in mammalien cells.
Sequence:	MEAVVNLYQE VMKHADPRIQ GYPLMGSPLL MTSILLTYVY FVLSLGPRIM ANRKPFQLRG FMIVYNFSLV ALSLYIVYEF LMSGWLSTYT WRCDPVDYSN SPEALRMVRV AWLFLFSKFI ELMDTVIFIL RKKDGQVTFL HVFHHSVLPW SWWWGVKIAP GGMGSFHAMI NSSVHVIMYL YYGLSAFGPV AQPYLWWKKH MTAIQLIQFV LVSLHISQYY FMSSCNYQYP VIIHLIWMYG TIFFMLFSNF WYHSYTKGKR LPRALQQNGA PGIAKVKAN **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.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- Protein expressed in mammalien 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:	ELOVL1
Alternative Name:	ELOVL1 (ELOVL1 Products)
Background:	Very long chain fatty acid elongase 1 (EC 2.3.1.199) (3-keto acyl-CoA synthase ELOVL1) (ELOVL fatty acid elongase 1) (ELOVL FA elongase 1) (Elongation of very long chain fatty acids protein 1) (Very long chain 3-ketoacyl-CoA synthase 1) (Very long chain 3-oxoacyl-CoA synthase 1),FUNCTION: Catalyzes the first and rate-limiting reaction of the four reactions that constitute the long-chain fatty acids elongation cycle (PubMed:29496980, PubMed:30487246). This endoplasmic reticulum-bound enzymatic process allows the addition of 2 carbons to the chain of long- and very long-chain fatty acids (VLCFAs) per cycle. Condensing enzyme that exhibits activity toward saturated and monounsaturated acyl-CoA substrates, with the highest activity towards C22:0 acyl-CoA. May participate in the production of both saturated and monounsaturated VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators. Important for saturated C24:0 and monounsaturated C24:1 sphingolipid synthesis (PubMed:20937905). Indirectly inhibits RPE65 via production of VLCFAs. {ECO:0000255|HAMAP-Rule:MF_03201, ECO:0000269|PubMed:20166112, ECO:0000269|PubMed:20937905, ECO:0000269|PubMed:29496980, ECO:0000269|PubMed:30487246}.

Target Details

Molecular Weight:	32.7 kDa
UniProt:	Q9BW60

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