

Datasheet for ABIN7564928
ACSBG1 Protein (AA 1-721) (His tag)



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Overview

Quantity:	1 mg
Target:	ACSBG1
Protein Characteristics:	AA 1-721
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACSBG1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Acsbg1 Protein expressed in mammalian cells.
Sequence:	<p>MPRGSEAGYC CLSRDSNMPD SRDDQQQGAS LGTSQDNSQT SSLIDGQTLS KESPSHGLEL SAPEKARAAS LDGAEALWT TRADGRVRLR LEPFCTQRPY TVHQMFYEAL DKYGNLSALG FKRKDKWERI SYYQYYLIAR KVAKGFLKLG LERAHSVAIL GFNSPEWFFS AVGTVFAGGI VTGIYTTSSP EACQYISHDC RANVIVVDTQ KQLEKILKIW KDLPHLKAVV IYQEPKPKM ANVYTMEELI ELGQEVPEEA LDAIIDTQQP NQCCVLVYTS GTTGNPKGVM LSQDNITWTA RYGSQAGDIQ PAEVQQEVVV SYLPLSHIAA QYDLWTGIQ WGAQVCFADP DALKGTLVNT LREVEPTSHM GVPRVWEKIM ERIQEVAAS GFIRRKMLLW AMSVTLEQNL TCPSNDLKPF TSRLADYLVL ARVRQALGFA KCQKNFYGAA PMTAETQRFF LGLNIRLYAG YGLSESTGPH FMSSPYNYRL YSSGRVWPGC RVKLVNQDAD GIGEICLWGR TIFMGYLNME DKTCEAIDSE GWLHTGDMGR LDADGLYIT GRLKELIITA GGENVPPVPI EEAVKMELPI ISSAMLIGDQ RKFLSMLLTL KCTLDPETSE PTDSLTEQAV EFCQRVGSKA STVSEIVGQR DEAVYQAIHE GIQRVNANAA ARPYHIQKWA ILQRDFSISG GELGPTMKLK RLTVLEKYKD IISFYQEQQ Q</p>

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.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: ACSBG1

Alternative Name: Acsbg1 ([ACSBG1 Products](#))

Background: Long-chain-fatty-acid--CoA ligase ACSBG1 (EC 6.2.1.3) (Acyl-CoA synthetase bubblegum family member 1) (mBG1) (Gonadotropin-regulated long chain acyl CoA synthetase) (GR-LACS) (Lipidosin),FUNCTION: Catalyzes the conversion of fatty acids such as long-chain and very long-chain fatty acids to their active form acyl-CoAs for both synthesis of cellular lipids, and degradation via beta-oxidation (By similarity) (PubMed:11112418, PubMed:12975357, PubMed:14516277). Can activate diverse saturated, monosaturated and polyunsaturated fatty acids (PubMed:11112418, PubMed:14516277). {ECO:0000250|UniProtKB:Q96GR2, ECO:0000269|PubMed:11112418, ECO:0000269|PubMed:12975357,

Target Details

ECO:0000269|PubMed:14516277}.

Molecular Weight: 80.4 kDa

UniProt: [Q99PU5](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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