Datasheet for ABIN7551826

ACSBG2 Protein (AA 1-666) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	ACSBG2
Protein Characteristics:	AA 1-666
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACSBG2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat ACSBG2 Protein expressed in mammalien cells.
Sequence:	MTGTPKTQEG AKDLEVDMNK TEVTPRLWTT CRDGEVLLRL SKHGPGHETP MTIPEFFRES VNRFGTYPAL ASKNGKKWEI LNFNQYYEAC RKAAKSLIKL GLERFHGVGI LGFNSAEWFI TAVGAILAGG LCVGIYATNS AEVCQYVITH AKVNILLVEN DQQLQKILSI PQSSLEPLKA IIQYRLPMKK NNNLYSWDDF MELGRSIPDT QLEQVIESQK ANQCAVLIYT SGTTGIPKGV MLSHDNITWI AGAVTKDFKL TDKHETVVSY LPLSHIAAQM MDIWVPIKIG ALTYFAQADA LKGTLVSTLK EVKPTVFIGV PQIWEKIHEM VKKNSAKSMG LKKKAFVWAR NIGFKVNSKK MLGKYNTPVS YRMAKTLVFS KVKTSLGLDH CHSFISGTAP LNQETAEFFL SLDIPIGELY GLSESSGPHT ISNQNNYRLL SCGKILTGCK NMLFQQNKDG IGEICLWGRH IFMGYLESET ETTEAIDDEG WLHSGDLGQL DGLGFLYVTG HIKEILITAG GENVPPIPVE TLVKKKIPII SNAMLVGDKL KFLSMLLTLK CEMNQMSGEP LDKLNFEAIN FCRGLGSQAS TVTEIVKQQD PLVYKAIQQG INAVNQEAMN NAQRIEKWVI LEKDFSIYGG ELGPMMKLKR HFVAQKYKKQ

Product Details

	IDHMYH **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. • 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:	ACSBG2
Alternative Name:	ACSBG2 (ACSBG2 Products)
Background:	Long-chain-fatty-acid--CoA ligase ACSBG2 (EC 6.2.1.3) (Acyl-CoA synthetase bubblegum family member 2) (Arachidonate--CoA ligase ACSBG2) (EC 6.2.1.15) (Bubblegum-related protein) (PRTD-NY3),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. Can activate diverse saturated, monosaturated and polyunsaturated fatty acids (PubMed:16371355, PubMed:16762313). Has increased ability to activate oleic and linoleic acid (PubMed:16371355). May play a role in spermatogenesis (PubMed:15685348). {ECO:0000269|PubMed:15685348, ECO:0000269|PubMed:16371355, ECO:0000269|PubMed:16762313}.
Molecular Weight:	74.4 kDa

Target Details

UniProt:	Q5FVE4
Pathways:	Monocarboxylic Acid Catabolic Process

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