

Datasheet for ABIN7551785
AACS Protein (AA 1-672) (His tag)



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Overview

Quantity:	1 mg
Target:	AACS
Protein Characteristics:	AA 1-672
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AACS protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat AACS Protein expressed in mammalian cells.
Sequence:	<p>MSKEERPGRE EILECQVMWE PDSKKNTQMD RFRAAVGAAC GLAESYDDL YHWSVESYSD</p> <p>FWAEFWKFSG IVFSRVYDEV VDTSGIADV PEWFKGSRLN YAENLLRHKE NDRVALYIAR</p> <p>EGKEEIVKVT FEELRQEVAL FAAAMRKMVG KKGDRVVGYL PNSEHAVEAM LAAASIGAIW</p> <p>SSTSPDFGVN GVLDRFSQIQ PKLIFSVEAV VYNGKEHNHM EKLQQVVKGL PDLKKVVVIP</p> <p>YVSSRENIDL SKIPNSVFLD DFLATGTSEQ APQLEFEQLP FSHPLFIMFS SGTTGAPKCM</p> <p>VHSAGGTLIQ HLKEHLLHGN MTSSDILLCY TTVGWMWNNW MVSLLATGAA MVLYDGSPLV</p> <p>PTPNVLWDLV DRIGITVLVT GAKWLSVLEE KAMKPVETHS LQMLHTILST GSPLKAQSYE</p> <p>YVYRCIKSSI LLGSISGGTD IISCFMGHNF SLPVYKGEIQ ARNLGMAVEA WNEEGKAVWG</p> <p>ESGELVCTKP IPCQPTHFWN DENGKRYKA YFSKFPGIWA HGDYCRINPK TGGIVMLGRS</p> <p>DGTLNPNGVR FGSSEIYNIV ESFEEVEDSL CVPQYNKYRE ERVILFLKMA SGHAFQPDLV</p> <p>KRIRDAIRMG LSARHVPSLI LETKGIPYTL NGKKVEVAVK QIIAGKAVEQ GGAFSNPETL</p>

DLYRDIPELQ GF **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	AACS
Alternative Name:	AACS (AACS Products)
Background:	Acetoacetyl-CoA synthetase (EC 6.2.1.16) (Acyl-CoA synthetase family member 1) (Protein sur-5 homolog),FUNCTION: Converts acetoacetate to acetoacetyl-CoA in the cytosol (By similarity). Ketone body-utilizing enzyme, responsible for the synthesis of cholesterol and fatty acids (By similarity). {ECO:0000250 UniProtKB:Q9D2R0, ECO:0000250 UniProtKB:Q9JMI1}.
Molecular Weight:	75.1 kDa
UniProt:	Q86V21
Pathways:	Positive Regulation of Peptide Hormone Secretion , Carbohydrate Homeostasis

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.
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Restrictions:	For Research Use only
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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