

Datasheet for ABIN7560924  
**AACS Protein (AA 1-672) (His tag)**



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## Overview

Quantity:	1 mg
Target:	AACS
Protein Characteristics:	AA 1-672
Origin:	Mouse
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>MSKLARLERE EIMECQVMWE PDSKKDTQMD RFRAAVGTAC GLALGNYNDL YHWSVRSYMD</p> <p>FWAEFWKFSG IVYSRMYDEV VDTSKGIADV PEWFRGSRLN YAENLLRHKE NDRVALYVAR</p> <p>EGREEIVKVT FEELRQQVAL FAAAMRKMVG KKGDRVVGYL PNSAHAVEAM LAAASIGAIW</p> <p>SSTSPDFGVN GVLD RFSQIQ PKLIFSVEAV VYNGKEHGH L EKLQRVVKGL PDLQRVVLIP</p> <p>YVLPREKIDI SKIPNSVFLD DFLASGTGAQ APQLEFEQLP FSHPLFIMFS SGTGAPKCM</p> <p>VHSAGGTLIQ HLKEHMLHGN MTSSDILLYY TTVGWMMWNW MVSALATGAS LVLYDGSPLV</p> <p>PTPNVLWDLV DRIGITILGT GAKWLSVLEE KDMKPVETHN LHTLHTILST GSPLKAQSYE</p> <p>YVYRCIKSSV LLGSISGGTD IISCFMGQNS SIPVYKGEIQ ARNLGMAVEA WDEEGKAVWG</p> <p>ASGELVCTKP IPCQPTHFWN DENGSKYRKA YFSKFPGVWA HGDYCRINPK TGGIIMLGRS</p> <p>DGTLNPNGVR FGSSEIYNIV EAFDEVEDSL CVPQYNRDGE ERVVLFLKMA SGHTFQPD LV</p> <p>KRIRDAIRLG LSARHVPSLI LETRGIPYTL NGKKVEVAVK QVMAGRTVEH RGAFSNPETL</p>

DLYRDIPELQ DF **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 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:

AACS

### Alternative Name:

Aacs ([AACS Products](#))

### Background:

Acetoacetyl-CoA synthetase (EC 6.2.1.16),FUNCTION: Converts acetoacetate to acetoacetyl-CoA in the cytosol (By similarity). Ketone body-utilizing enzyme, responsible for the synthesis of cholesterol and fatty acids (PubMed:22985732). {ECO:0000250|UniProtKB:Q9JMI1, ECO:0000269|PubMed:22985732}.

### Molecular Weight:

75.2 kDa

### UniProt:

[Q9D2R0](#)

### 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