

Datasheet for ABIN7551974  
**ACSL6 Protein (AA 1-697) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ACSL6
Protein Characteristics:	AA 1-697
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACSL6 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat ACSL6 Protein expressed in mammalian cells.
Sequence:	<p>MQTQEILRIL RPELGLDGLQ FFRSLSATTL VSMGALAAIL AYWFTHRPKA LQPPCNLLMQ SEEVEDSGGA RRSVIGSGPQ LLTHYYDDAR TMYQVFRRGL SISGNGPCLG FRKPKQPYQW LSYQEVADRA EFLGSGLLQH NCKACTDQFI GVFAQNRPEW IIVELACYTY SMVVVPLYDT LGPGAIRYII NTADISTVIV DKPQKAVLLL EHVERKETPG LKLIILMDPF EEALKERGQK CGVVIKSMQA VEDCGQENHQ APVPPQPDDL SIVCFTSGTT GNPKGAMLTH GNVVADFSGF LKVTEKVIFP RQDDVLISFL PLAHMFERVI QSVVYCHGGR VGFFQGDIRL LSDDMKALCP TIFPVVPRLL NRMYDKIFSQ ANTPLKRWLL EFAAKRKQAE VRSGIIRNDS IWDELFFNKI QASLGGCVRM IVTGAAPASP TVLGFLRAAL GCQVYEGYGQ TECTAGCTFT TPGDWTSGHV GAPLPCNHIK LVDVEELNYW ACKGEGEICV RGPNVFKGYL KDPDRTKEAL DSDGWLHTGD IGKWLPAGTL KIIDRKKHIF KLAQGEYVAP EKINIYIRS QPVAQIYVHG DSLKAFLVGI VVPDPEVMPS WAQKRGIEGT YADLCTNKDL KKAILEDMVR LGKESGLHSF EQVKAIHIHS</p>

## Product Details

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DMFSVQNGLL TPTLKAKRPE LREYFKKQIE ELYSISM **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.**

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### 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.

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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

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### Target:

ACSL6

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### Alternative Name:

ACSL6 ([ACSL6 Products](#))

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### Background:

Long-chain-fatty-acid--CoA ligase 6 (EC 6.2.1.3) (Arachidonate--CoA ligase) (EC 6.2.1.15) (Long-chain acyl-CoA synthetase 6) (LACS 6),FUNCTION: Catalyzes the conversion of long-chain fatty acids to their active form acyl-CoA for both synthesis of cellular lipids, and degradation via beta-oxidation (PubMed:22633490, PubMed:24269233). Plays an important role in fatty acid metabolism in brain and the acyl-CoAs produced may be utilized exclusively for the synthesis of the brain lipid. {ECO:0000269|PubMed:22633490, ECO:0000269|PubMed:24269233}.

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### Molecular Weight:

77.8 kDa

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### UniProt:

[Q9UKU0](#)

## Application Details

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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

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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