

Datasheet for ABIN7564780
ACLY Protein (AA 1-1091) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ACLY
Protein Characteristics:	AA 1-1091
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACLY protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Acly Protein expressed in mammalien cells.
Sequence:	<p>MSAKAISEQT GKELLYKYIC TTSAIQNRFK YARVTPD TDW AHLLQDHPWL LSQSLVVKPD QLIKRRGKLG LVGVNLSLDG VKSWLKPRLG HEATVGKAKG FLKNFLIEPF VPHSQAEEFY VCIYATREGD YVLFHHEGGV DVGVDVAKAQ KLLVGVDEKL NTEDIKRHLL VHAPEDKKEV LASFISGLFN FYEDLYFTYL EINPLVVTKD GVIYLDLAAK VDATADYICK VKWGDI EFPF PFGREAYPEE AYIADLDAKS GASLKL TLLN PKGRIW TMVA GGGASVVYSD TICDLGGVNE LANYGEYSGA PSEQQTYDYA KTILSLMTRE KHPEGKILII GGSIANFTNV AATFKGIVRA IRDYQGPLKE HEVTIFVRRG GPNYQEGLRV MGEVGKTTGI PIHVFGTETH MTAIVGMALG HRPIPNQPPT AAHTANFLN ASGSTSTPAP SRTASFSESR ADEVAPAKKA KPAMPQGKSA TLFSRHTKAI VWGMQTRAVQ GMLDFDYVCS RDEPSVAAMV YPFTGDHKQK FYWGHKEILI PVFKNMADAM KKHPEVDVLI NFASLSAYD STMETMNYAQ IRTIAIIAEG IPEALTRKLI KKADQKGVTI IGPATVGGIK PGCFKIGNTG GMLDNILASK LYRPGSVAYV SRSGGMSNEL</p>

Product Details

NNIISRTTDG VYEGVAIGGD RYPGSTFMDH VLRYQDTPGV KMIWVLGEIG GTEEYKICRG
IKEGRLLTKPV VCWCIGTCAT MFSSEVQFGH AGACANQASE TAVAKNQALK EAGVFPVRSF
DELGEIIQSV YEDLVAKGAI VPAQEVPPPT VPMDYSWARE LGLIRKPASF MTSICDERGQ
ELIYAGMPIT EVFKEEMGIG GVLGLLWFQR RLPKYSCQFI EMCLMVTADH GPAVSGAHNT
IICARAGKDL VSSLTSGLLT IGDRFEGGALD AAKMFASKAF DSGIIPMEFV NKMKKEGKLI
MGIGHRVKSI NNPDMRVQIL KDFVKQHFPV TPLLDYALEV EKITTSKKPN LILNVDGFIG
VAFVDMLRNC GSFTREEADE YVDIGALNGI FVLGRSMGFI GHYLDQKRLK QGLYRHPWDD
ISYVLPEHMS M **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:

ACLY

Alternative Name:

Acly ([ACLY Products](#))

Background:

ATP-citrate synthase (EC 2.3.3.8) (ATP-citrate (pro-S)-lyase) (Citrate cleavage enzyme),FUNCTION: Catalyzes the cleavage of citrate into oxaloacetate and acetyl-CoA, the latter serving as common substrate for de novo cholesterol and fatty acid synthesis.

Target Details

{ECO:0000269|PubMed:25450640}.

Molecular Weight: 119.7 kDa

UniProt: [Q91V92](#)

Pathways: [Warburg Effect](#)

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