

Datasheet for ABIN7551855
ACLY Protein (AA 1-1101) (His tag)



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Overview

Quantity:	1 mg
Target:	ACLY
Protein Characteristics:	AA 1-1101
Origin:	Human
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 mammalian cells.
Sequence:	<p>MSAKAISEQT GKELLYKFC TTSAIQNRFK YARVTPDWDW ARLLQDHPWL LSQNLVVKPD QLIKRRGKLG LVGVNLTLDG VKSWLKPRLG QEATVGKATG FLKNFLIEPF VPHSQAEFVY VCIYATREGD YVLFHHEGGV DVGVDVAKAQ KLLVGVDEKL NPEDIKKHLL VHAPEDKKEI LASFISGLFN FYEDLYFTYL EINPLVWTKD GYVVLDAAK VDATADYICK VKWGDIEFPP PFGREAYPEE AYIADLDAKS GASLKLTLN PKGRIWTMVA GGGASVVYSD TICDLGGVNE LANYGEYSGA PSEQQTYDYA KTILSLMTRE KHPDGKILII GGSIANFTNV AATFKGIVRA IRDYQGPLKE HEVTIFVRRG GPNYQEGLRV MGEVGKTTGI PIHVFGTETH MTAIVGMALG HRPIPNQPPT AAHTANFLN ASGSTSTPAP SRTASFSESR ADEVAPAKKA KPAMPQDSVP SPRSLQGKST TLFSRHTKAI VWGMQTRAVQ GMLDFDYVCS RDEPSVAAMV YPFTGDHKQK FYWGHKEILI PVFKNMADAM RKHPEVDVLI NFASLSAYD STMETMNYAQ IRTIAIIAEG IPEALTRKLI KKADQKGVTI IGPATVGGIK PGCFKIGNTG GMLDNILASK LYRPGSVAYV</p>

Product Details

SRSGGMSNEL NNIISRTTDG VYEGVAIGGD RYPGSTFMDH VLRYQDTPGV KMIVVLGEIG
GTEEYKICRG IKEGRLTKPI VCWCIGTCAT MFSSEVQFGH AGACANQASE TAVAKNQALK
EAGVFPVRSF DELGEIQSV YEDLVANGVI VPAQEVPPPT VPMDYSWARE LGLIRKPASF
MTSICDERGQ ELIYAGMPIT EVFKEEMGIG GVLGLLWFQK RLPKYSCQFI EMCLMVTADH
GPAVSGAHNT IICARAGKDL VSSLTSGLLT IGDRFGGALD AAKMFSKAF DSGIIPMEFV
NKMKKEGKLI MGIGHRVKSI NNPDMRVQIL KDYVRQHPPA TPLLDYALEV EKITTSKKNP
LILNVDGLIG VAFVDMLRNC GSFTREEADE YIDIGALNGI 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) (ACL) (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:10653665, ECO:0000269|PubMed:1371749, ECO:0000269|PubMed:19286649, ECO:0000269|PubMed:23932781, ECO:0000269|PubMed:9116495}.

Molecular Weight: 120.8 kDa

UniProt: [P53396](#)

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