

Datasheet for ABIN7560053
ASCC2 Protein (AA 1-749) (His tag)



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Overview

Quantity:	1 mg
Target:	ASCC2
Protein Characteristics:	AA 1-749
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ASCC2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ascc2 Protein expressed in mammalian cells.
Sequence:	MPALPLDQLQ ITHKDPKTGQ PKTSAALNPE QKADRYFVLY KPPPKNIPALVVEEYLERAN FVANDLDWLL ALPHDKFWCQ VIFDETLQKC LDSYLHYVPR KFDEWVAPTP EVADMQNHHLH RSVFLTFLRM STHKESKDHFI SPFAFGEIL YNNFLFDIPK ILDLQVLFQK GNSPLLQKMI GNIFTQQPSY YTDLDETIPT ILQVFSNILQ HCGLQGDGTS TTPQKLGERS PLTPSDMPLL ELKDIVLYLC DTSTTLWAFI DIFPLACQTF QKHDFCYRLA SFYEMAIPEL ESAIKKRRLE DSKLLGDMWQ RLSHSHKKLM EVFHIILNQI CLLPILESSC DNIQGFIEEF LQIFSSLLQE KRFLRDYDTF SPVAEDISLL QQASSALDET RTAYILQAVE SAWEGVDRQK IKDIKDPRA KGSNNEVTVT AEPVSEMPQS LENLEEDEEC MGAAAALGPA VSGVELDSLISQVKDLLPDL GEGFILACLE HYSYDSEQVI NNILEDRLAP ELSQLDRGLE RQVKPDPTPL LSSRHNIQFN DEFDVFSDS VDLRSVHKGR RKEENVRSVLV NDKQAVVAQW QRYQKYSVVV EEVPLQPGEY QADDYEDEYD DTYDGNQVGA NDADSDELI SRRPFTIPQV LRTKMPGEVQ EEEWDEEDEV EEEAPKPDHF IQDPAVLREK AEARRMAFLA RKGYPENST AVTGGPRGHG QSRETTQERR

Product Details

KKEANKAARA NHNRRTMADR KRSKGMIPS **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.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: ASCC2

Alternative Name: Ascc2 ([ASCC2 Products](#))

Background: Activating signal cointegrator 1 complex subunit 2 (ASC-1 complex subunit p100) (Trip4 complex subunit p100),FUNCTION: Ubiquitin-binding protein involved in DNA repair and rescue of stalled ribosomes. Plays a role in DNA damage repair as component of the ASCC complex. Recruits ASCC3 and ALKBH3 to sites of DNA damage by binding to polyubiquitinated proteins that have 'Lys-63'-linked polyubiquitin chains. Part of the ASC-1 complex that enhances NF-kappa-B, SRF and AP1 transactivation. Involved in activation of the ribosome quality control (RQC) pathway, a pathway that degrades nascent peptide chains during problematic

Target Details

translation. Specifically recognizes and binds RPS20/uS10 ubiquitinated by ZNF598, promoting recruitment of the RQT (ribosome quality control trigger) complex on stalled ribosomes, followed by disassembly of stalled ribosomes. {ECO:0000250|UniProtKB:Q9H1I8}.

Molecular Weight: 85.7 kDa

UniProt: [Q91WR3](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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