

Datasheet for ABIN7561870

**CALCOCO2 Protein (AA 1-331) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	CALCOCO2
Protein Characteristics:	AA 1-331
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CALCOCO2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Calcoco2 Protein expressed in mammalien cells.
Sequence:	MDQCPIPTLL EHGNSQVLF NNVEKFYAPR GDIMCYYTLT EKFIPIRRKDW IGIFKVGWKT TQEYYTFMWA PLPKDQNKDS ATQQEIQFKA YYLPKDVERY QFCYVDEDGL VRGTSVPPQF CPDPDEDIMV VINKEKVEEM EQLSEELYQQ NQELKDKYAD LHEQLQRKQV ALEATQRVNK TLEHKVEEKA SWEKEKASWE EEKASWEEEK ASWEEEEKASW EEEKASWEEE KASWEEEEKAS WEEEKASWEE EKASWEEEKA SWEEEEKASWE EEKASWEEEK ASWEEEEKASW EKEKASWEEE KASWEKEKAP WEVEKAPWKE VKAYWWNDLH R <b>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.</b>
Characteristics:	Key Benefits:

## Product Details

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- 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

## Target Details

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Target: CALCOCO2

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Alternative Name: Calcoco2 ([CALCOCO2 Products](#))

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Background: Calcium-binding and coiled-coil domain-containing protein 2 (Nuclear domain 10 protein NDP52) (Nuclear domain 10 protein 52),FUNCTION: Xenophagy-specific receptor required for autophagy-mediated intracellular bacteria degradation (By similarity). Acts as an effector protein of galectin-sensed membrane damage that restricts the proliferation of infecting pathogens upon entry into the cytosol by targeting LGALS8-associated bacteria for autophagy (By similarity). Initially orchestrates bacteria targeting to autophagosomes and subsequently ensures pathogen degradation by regulating pathogen-containing autophagosome maturation (By similarity). Bacteria targeting to autophagosomes relies on its interaction with MAP1LC3A, MAP1LC3B and/or GABARAPL2, whereas regulation of pathogen-containing autophagosome maturation requires the interaction with MAP3LC3C (By similarity). May play a role in ruffle formation and actin cytoskeleton organization and seems to negatively regulate constitutive secretion (By similarity). {ECO:0000250|UniProtKB:Q13137}.

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Molecular Weight: 40.1 kDa

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UniProt: [A2A6M5](#)

## 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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