

Datasheet for ABIN7557275  
**FCHSD2 Protein (AA 1-740) (His tag)**



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## Overview

Quantity:	1 mg
Target:	FCHSD2
Protein Characteristics:	AA 1-740
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FCHSD2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Fchsd2 Protein expressed in mammalien cells.
Sequence:	<p>MQPPPRKVKV TQELRNIQGE QMTKLQAKHQ AECDLLED MR TFSQKAAIE REYAQGIQKL ASQYLKRDWP GIKTDDRNDY RSMYPVWKSF LEGTMQVAQS RINICENYKN FISEPARAVR SLKEQQLKRC VDQLTKIQTE LQETVKDLVK GKKKYFETE Q MAHAVREKAD IEAKSKLSLF QSRISLQKAS VKLKARRSEC NTKATHARND YLLTLAAANA HQDRYYQTDL VNIMKALDGN VYDHLKDYLI AFSRTELETC QAIQNTFQFL LENS SKVVRD YNLQLFLQEN AVFHKPQPFQ FQPCSDTSR QLESETGTTE EHSLNKEARK WATRVAREHK NIVHQQRVLN ELECHGVALS EQSRAELEQK IDEARESIRK AEI IKLKAEA RLDLLKQIGV SVDTWLKSAM NQVMEELENE RWARPPAVTS NGTLHSLNAD AEREEGEEFE DNMDVFDDSS SSPSGTLRNY PLTCKVVYSY KASQPDELTI EEHEVLEVIE DGD MEDWVKA RNKVGQVGYV PEKYLQFPTS NSLLSMLQSL AALDSRSHTS SNSTEAELVS GSLNGDASVC FVKALYDYEG QTDELSEFPE GAIIRILNKE NQDDDGFWEG EFSGRIGVFP SVLVEELSAS ENGDTPWTRE IQISPSPKPH TSLPPLPLYD</p>

## Product Details

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QPPSSPYSP DKRSSQFFPR SPSANENSLH AESPGFSQAS RQTPDTSYGK LRPVRAAPP  
PTQNHRRTE KMEDVEITLV **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

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### Target:

FCHSD2

### Alternative Name:

Fchsd2 ([FCHSD2 Products](#))

### Background:

F-BAR and double SH3 domains protein 2 (Protein nervous wreck 1) (NWK1) (SH3 multiple domains protein 3),FUNCTION: Adapter protein that plays a role in endocytosis via clathrin-coated pits. Contributes to the internalization of cell surface receptors, such as integrin ITGB1 and transferrin receptor. Promotes endocytosis of EGFR in cancer cells, and thereby contributes to the down-regulation of EGFR signaling. Recruited to clathrin-coated pits during a mid-to-late stage of assembly, where it is required for normal progress from U-shaped intermediate stage pits to terminal, omega-shaped pits. Binds to membranes enriched in phosphatidylinositol 3,4-bisphosphate or phosphatidylinositol 3,4,5-trisphosphate (By similarity). When bound to membranes, promotes actin polymerization via its interaction with

## Target Details

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WAS and/or WASL which leads to the activation of the Arp2/3 complex (PubMed:23437151).  
Does not promote actin polymerisation in the absence of membranes (By similarity).  
{ECO:0000250|UniProtKB:O94868, ECO:0000305|PubMed:23437151}.

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Molecular Weight: 84.3 kDa

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UniProt: [Q3USJ8](#)

## 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

## 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