

Datasheet for ABIN7547720  
**FEM1A Protein (AA 1-669) (His tag)**



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## Overview

Quantity:	1 mg
Target:	FEM1A
Protein Characteristics:	AA 1-669
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FEM1A protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat FEM1A Protein expressed in mammalien cells.
Sequence:	MDLRTAVYNA ARDGKLQLLQ KLLSGRSREE LDELTGEVAG GGTPLLIAAR YGHLDVVEYL VDRCGASVEA GGSVHFDGET IEGAPPLWAA SAAGHLDVVR SLLRRGASVN RTTRTNSTPL RAACFDGHLE VVRYLVGEHQ ADLEVANRHG HTCLMISCYK GHREIARYLL EQGAQVNRRS AKGNTALHDC AESGSLEILQ LLLGCKARME RDYGMTPLL AASVTGHTNI VEYLIQECPG QEQVAGGEAQ PGLPQEDPST SQGCAQPQGA PCCSSSPEEP LNGESYESCC PTSREAAVEA LELLGATYVD KKRDLLGALK HWRRAMELRH QGGEYLPKPE PPQLVLAYDY SREVNTEEL EALITDPDEM RMQALLIRER ILGPSHPDTS YYIRYRGAVY ADSGNFERCI RLWKYALDMQ QSNLEPLSPM TASSFLSFAE LFSYVLQDRA AKGSLGTQIG FADLMGVLTK GVREVERALQ LPREPGDSAQ FTKALAILH LLYLLEKVEC TPSQEHLKHQ TVYRLLKCAP RGKNGFTPLH MAVDKDTTNV GRYPVGRFPS LHVVKVLLDC GADPDSRDFD NNTPLHIAAQ NNCPAIMNAL IEAGAHMDAT NAFKKTAYEL LDEKLLARGT MQPFNYVTLQ CLAARALDKN KIPYKGFPIE

DLEAFIELH **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:

FEM1A

### Alternative Name:

FEM1A ([FEM1A Products](#))

### Background:

Protein fem-1 homolog A (FEM1a) (FEM1-alpha) (Prostaglandin E receptor 4-associated protein),FUNCTION: Substrate-recognition component of a Cul2-RING (CRL2) E3 ubiquitin-protein ligase complex of the DesCEND (destruction via C-end degrons) pathway, which recognizes a C-degron located at the extreme C terminus of target proteins, leading to their ubiquitination and degradation (PubMed:29779948, PubMed:33398168, PubMed:33398170). The C-degron recognized by the DesCEND pathway is usually a motif of less than ten residues and can be present in full-length proteins, truncated proteins or proteolytically cleaved forms (PubMed:29779948, PubMed:33398168, PubMed:33398170). The CRL2(FEM1A) complex specifically recognizes proteins with an arginine at the C-terminus: recognizes and binds proteins ending with -Lys/Arg-Xaa-Arg and -Lys/Arg-Xaa-Xaa-Arg C-degrons, such as SIL1 or

## Target Details

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OR51B2, leading to their ubiquitination and degradation (PubMed:33398168, PubMed:33398170). Promotes ubiquitination and degradation of SLBP (PubMed:28118078). Involved in PGE2-EP4-mediated inhibition of inflammation of macrophages via interaction with NFKB1 and PTGER4 (By similarity). Promotes inflammation in brain microglia through MAP2K4/MKK4-mediated signaling (By similarity). {ECO:0000250|UniProtKB:Q9Z2G1, ECO:0000269|PubMed:28118078, ECO:0000269|PubMed:29779948, ECO:0000269|PubMed:33398168, ECO:0000269|PubMed:33398170}.

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Molecular Weight: 73.6 kDa

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UniProt: [Q9BSK4](#)

## 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