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Datasheet for ABIN7556430
FEM1A Protein (AA 1-654) (His tag)

Overview

Quantity:	1 mg
Target:	FEM1A
Protein Characteristics:	AA 1-654
Origin:	Mouse
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 Fem1aa Protein expressed in mammalien cells.
Sequence:	MDLHTAVYNA AHDGKLPLLQ KLLAGRGREE LEELLGEVAG GGTPLLIAAR RGHLDVVEYL VDHCGASVEA SGSVHFDGET IEGAPPLWAA SAAGHLAVVR SLLRRGASVN RTTRTNSTPL RAACFDGHL D VVRYLVGEHK ADLEVANRHG HTCLMISCYK GHREIARYLL ERGAQVNRRS AKGNTALHDC AESGSLEILQ LLLGCHARME RDGYGMTPLL AASVTGHTNI VEYLIQECPG HEQLSGTELP GEGSSQVAGN HCSTPEEAEP YESCCPTSRE AAVEALELLG ATYVDKKRDL LGALKHWRRRA MELRHQGGGY LPKPEPQLV LAYDYSREVT TPQEALALIT DPDEMARMQAL LIRERILGPS HPDTSYYIRY RGAVYADSGN FERCIRLWKY ALDMQNNLE PLSPMTASSF LSFAELFSYV LQDRSAKGNL GMQLGFADLM GVLSKGVREV ERALQLPKEP GDSAQFTKAI AIIHLHLLYLL EKVECTPSQE HLKHQTVYRL LKCAPRGKNG FTPLHMAVDK ETTNVGRYRV GVFPSLQVVK VLLDCGADPD SRDFDNNTPL HIAAQNNCPA IMDALIEAGA HMDATNAFKK TAYELLD SKL LAKSTVQPFN YVTLQCLAAR ALDRNKVPYK GFIPPEE LEAF IQLH 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:

FEM1A

Alternative Name:

Fem1aa ([FEM1A Products](#))

Background:

Protein fem-1 homolog A-A (FEM1a-A) (FEM1-alpha-A) (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 (By similarity). 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 (By similarity). 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 OR51B2, leading to their ubiquitination and degradation (By similarity). Involved in PGE2-EP4-

Target Details

mediated inhibition of inflammation of macrophages via interaction with NFKB1 and PTGER4 (PubMed:18270204, PubMed:26439841). Promotes inflammation in brain microglia through MAP2K4/MKK4-mediated signaling (PubMed:27315781). {ECO:0000250|UniProtKB:Q9BSK4, ECO:0000269|PubMed:18270204, ECO:0000269|PubMed:26439841, ECO:0000269|PubMed:27315781}.

Molecular Weight: 72.1 kDa

UniProt: [Q9Z2G1](#)

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