Datasheet for ABIN7547566

FEM1C Protein (AA 1-617) (His tag)

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Overview

Quantity:	1 mg
Target:	FEM1C
Protein Characteristics:	AA 1-617
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FEM1C protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant FEM1C Protein expressed in mammalian cells.
Sequence:	MDLKTAVFNA ARDGKLRLLT KLLASKSKEE VSSLISEKTN GATPLLMAAR YGHLDMVEFL LEQCSASIEV GGSVNFDGET IEGAPPLWAA SAAGHLKVVQ SLLNHGASVN NTTLTNSTPL RAACFDGHLE IVKYLVEHKA DLEVSNRHGH TCLMISCYKG HKEIAQYLLE KGADVNRKSV KGNTALHDCA ESGSLDIMKM LLMYCAKMEK DGYGMTPLLS ASVTGHTNIV DFLTHHAQTS KTERINALEL LGATFVDKKR DLLGALKYWK KAMNMRYSDR TNIISKPVPQ TLIMAYDYAK EVNSAEELEG LIADPDEMRM QALLIRERIL GPSHPDTSYY IRYRGAVYAD SGNFKRCINL WKYALDMQQS NLDPLSPMTA SSLLSFAELF SFMLQDRAKG LLGTTVTFDD LMGILCKSVL EIERAIKQTQ CPADPLQLNK ALSIILHLIC LLEKVPCTLE QDHFKKQTIY RFLKLHPRGK NNFSPLHLAV DKNTTCVGRY PVCKFPSLQV TAILIECGAD VNVRDSDDNS PLHIAALNNH PDIMNLLIKS GAHFDATNLH KQTASDLLDE KEIAKNLIQP INHTTLQCLA ARVIVNHRIY YKGHIPEKLE TFVSLHR **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make**

Product Details

	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:	FEM1C
Alternative Name:	FEM1C (FEM1C Products)
Background:	Protein fem-1 homolog C (FEM1c) (FEM1-gamma),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:29775578, PubMed:33398170, PubMed:33398168). 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:29775578, PubMed:33398170, PubMed:33398168). The CRL2(FEM1C) 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-

Target Details

	degrons, such as SIL1 or OR51B2, leading to their ubiquitination and degradation (PubMed:33398170, PubMed:33398168). The CRL2(FEM1C) complex mediates ubiquitination and degradation of truncated MSRB1/SEPX1 selenoproteins produced by failed UGA/Sec decoding (PubMed:26138980). Promotes ubiquitination and degradation of SLBP (PubMed:28118078). {ECO:0000269|PubMed:26138980, ECO:0000269|PubMed:28118078, ECO:0000269|PubMed:29775578, ECO:0000269|PubMed:29779948, ECO:0000269|PubMed:33398168, ECO:0000269|PubMed:33398170}.
Molecular Weight:	68.7 kDa
UniProt:	Q96JP0

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

