Datasheet for ABIN7554519

MEFV Protein (AA 1-781) (His tag)

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Overview

Quantity:	1 mg
Target:	MEFV
Protein Characteristics:	AA 1-781
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MEFV protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MEFV Protein expressed in mammalian cells.
Sequence:	MAKTPSDHLL STLEELVPYD FEKFKFKLQN TSVQKEHSRI PRSQIQRARP VKMATLLVTY YGEEYAVQLT LQVLRAINQR LLAEELHRAA IQEYSTQENG TDDSAASSSL GENKPRSLKT PDHPEGNEGN GPRPYGGGAA SLRCSQPEAG RGLSRKPLSK RREKASEGLD AQGKPRTRSP ALPGGRSPGP CRALEGGQAE VRLRRNASSA GRLQGLAGGA PGQKECRPFE VYLPSGKMRP RSLEVTISTG EKAPANPEIL LTLEEKTAAN LDSATEPRAR PTPDGGASAD LKEGPGNPEH SVTGRPPDTA ASPRCHAQEG DPVDGTCVRD SCSFPEAVSG HPQASGSRSP GCPRCQDSHE RKSPGSLSPQ PLPQCKRHLK QVQLLFCEDH DEPICLICSL SQEHQGHRVR PIEEVALEHK KKIQKQLEHL KKLRKSGEEQ RSYGEEKAVS FLKQTEALKQ RVQRKLEQVY YFLEQQEHFF VASLEDVGQM VGQIRKAYDT RVSQDIALLD ALIGELEAKE CQSEWELLQD IGDILHRAKT VPVPEKWTTP QEIKQKIQLL HQKSEFVEKS TKYFSETLRS EMEMFNVPEL IGAQAHAVNV ILDAETAYPN LIFSDDLKSV RLGNKWERLP DGPQRFDSCI IVLGSPSFLS GRRYWEVEVG DKTAWILGAC KTSISRKGNM TLSPENGYWV VIMMKENEYQ ASSVPPTRLL IKEPPKRVGI

Product Details

	FVDYRVGSIS FYNVTARSHI YTFASCSFSG PLQPIFSPGT RDGGKNTAPL TICPVGGQGP D **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.**
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:	MEFV
Alternative Name:	MEFV (MEFV Products)
Background:	Pyrin (Marenostrin),FUNCTION: Involved in the regulation of innate immunity and the inflammatory response in response to IFNG/IFN-gamma (PubMed:10807793, PubMed:11468188, PubMed:17964261, PubMed:18577712, PubMed:19109554, PubMed:19584923, PubMed:16037825, PubMed:27030597, PubMed:28835462, PubMed:16785446, PubMed:17431422, PubMed:26347139). Organizes autophagic machinery by serving as a platform for the assembly of ULK1, Beclin 1/BECN1, ATG16L1, and ATG8 family members and recognizes specific autophagy targets, thus coordinating target recognition with

Target Details

	assembly of the autophagic apparatus and initiation of autophagy (PubMed:16785446, PubMed:17431422, PubMed:26347139). Acts as an autophagy receptor for the degradation of several inflammasome components, including CASP1, NLRP1 and NLRP3, hence preventing excessive IL1B- and IL18-mediated inflammation (PubMed:16785446, PubMed:17431422, PubMed:26347139). However, it can also have a positive effect in the inflammatory pathway, acting as an innate immune sensor that triggers PYCARD/ASC specks formation, caspase-1 activation, and IL1B and IL18 production (PubMed:16037825, PubMed:27030597, PubMed:28835462). Together with AIM2, also acts as a mediator of pyroptosis, necroptosis and apoptosis (PANoptosis), an integral part of host defense against pathogens, in response to bacterial infection (By similarity). It is required for PSTPIP1-induced PYCARD/ASC oligomerization and inflammasome formation (PubMed:10807793, PubMed:11468188, PubMed:17964261, PubMed:18577712, PubMed:19109554, PubMed:19584923). Recruits PSTPIP1 to inflammasomes, and is required for PSTPIP1 oligomerization (PubMed:10807793, PubMed:11468188, PubMed:17964261, PubMed:18577712, PubMed:19109554, PubMed:19584923). {ECO:0000250|UniProtKB:Q9JJ26, ECO:0000269|PubMed:10807793, ECO:0000269|PubMed:11468188, ECO:0000269|PubMed:16037825, ECO:0000269|PubMed:16785446, ECO:0000269|PubMed:17431422, ECO:0000269|PubMed:17964261, ECO:0000269|PubMed:18577712, ECO:0000269|PubMed:19109554, ECO:0000269|PubMed:19584923, ECO:0000269|PubMed:26347139, ECO:0000269|PubMed:27030597, ECO:0000269|PubMed:28835462}.
Molecular Weight:	86.4 kDa
UniProt:	O15553
Pathways:	Positive Regulation of Endopeptidase Activity

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

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

