Datasheet for ABIN7561437
MOAP1 Protein (AA 1-352) (His tag)

Overview

Quantity:	1 mg
Target:	MOAP1
Protein Characteristics:	AA 1-352
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MOAP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Moap1 Protein expressed in mammalian cells.
Sequence:	MTLRLLEDWC RGMDMNPRKA LLVAGIPPTC GVADIEEALQ AGLAPLGEHR LLGRMFRRDE NKNVALIGLT VETGSALVPK EIPAKGGVWR VIFKPPDTDS DFLCRLNEFL KGEGMTMGEL TRVLGNRNDP LGLDPGIMIP EIRAPMLAQA LNEALKPTLQ YLRYKKLSVF SGRDPPGPGE EEFESWMFHT SQVMKTWQVS DVEKRRRLIE SLRGPAFEII RVLKINNPFI TVAECLKTLE TIFGIIDNPR ALQVKYLTTY QKTDEKLSAY VLRLEPLLQK LVQKGAIEKE VVNQARLDQV IAGAVHKSVR RELGLPEGSP APGLLQLLTL IKDKEAEEEE VLLQAELEGY CT **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:

Product Details

- 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:	MOAP1
Alternative Name:	Moap1 (MOAP1 Products)
Background:	Modulator of apoptosis 1 (MAP-1) (M mMOAP1),FUNCTION: Retrotransposon-derived protein that forms virion-like capsids (PubMed:34413232). Acts as an effector of BAX during apoptosis: enriched at outer mitochondria membrane and associates with BAX upon induction of apoptosis, facilitating BAX-dependent mitochondrial outer membrane permeabilization and apoptosis (By similarity). Required for death receptor-dependent apoptosis (By similarity). When associated with RASSF1, promotes BAX conformational change and translocation to mitochondrial membranes in response to TNF and TNFSF10 stimulation (By similarity). Also promotes autophagy: promotes phagophore closure via association with ATG8 proteins (PubMed:33783314). Acts as an inhibitor of the NFE2L2/NRF2 pathway via interaction with SQSTM1: interaction promotes dissociation of SQSTM1 inclusion bodies that sequester KEAP1, relieving inactivation of the BCR(KEAP1) complex (By similarity). {ECO:0000250|UniProtKB:Q96BY2, ECO:0000269|PubMed:33783314, ECO:0000269|PubMed:34413232}.
Molecular Weight:	39.4 kDa

Target Details

UniProt:	Q9ERH6
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 Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months