

Datasheet for ABIN7549228

MAGEF1 Protein (AA 1-307) (His tag)



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Overview

Quantity:	1 mg
Target:	MAGEF1
Protein Characteristics:	AA 1-307
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAGEF1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat MAGEF1 Protein expressed in mammalian cells.
Sequence:	<p>MLQTPESRGL PVPQAEGEKD GGHDGETRAP TASQERPKEE LGAGREEGAA EPALTRKGAR</p> <p>ALAAKALARR RAYRRLNRTV AELVQFLLVK DKKKSPITRS EMVKYVIGDL KILFPDIAR</p> <p>AAEHLRYVFG FELKQFDRKH HTYILINKLK PLEEEEEEDL GGDGPRGLLL MMILGLIYMR</p> <p>GNSAREAQVW EMLRRLGVQP SKYHFLFGYP KRLIMEDFVQ QRYLSYRRVP HTNPPEYEFS</p> <p>WGPRSNLEIS KMEVLGFVAK LHKKEPQHWP VQYREALADE ADRARAKARA EASMRARASA</p> <p>RAGIHLW 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.</p>

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts.
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Product Details

- 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:	MAGEF1
Alternative Name:	MAGEF1 (MAGEF1 Products)
Background:	Melanoma-associated antigen F1 (MAGE-F1) (MAGE-F1 antigen),FUNCTION: Enhances ubiquitin ligase activity of RING-type zinc finger-containing E3 ubiquitin ligases. Proposed to act through recruitment and/or stabilization of the E2 ubiquitin-conjugating enzyme at the E3:substrate complex. MAGEF1-NSMCE1 ubiquitin ligase complex promotes proteasomal degradation of MMS19, a key component of the cytosolic iron-sulfur protein assembly (CIA) machinery. Down-regulation of MMS19 impairs the activity of several DNA repair and metabolism enzymes such as ERCC2/XPD, FANCI, RTEL1 and POLD1 that require iron-sulfur clusters as cofactors. May negatively regulate genome integrity by inhibiting homologous recombination-mediated double-strand break DNA repair (PubMed:29225034). {ECO:0000269 PubMed:20864041, ECO:0000269 PubMed:29225034}.
Molecular Weight:	35.2 kDa
UniProt:	Q9HAY2

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.
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Restrictions:	For Research Use only
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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