Datasheet for ABIN7549269

MAEA Protein (AA 1-396) (His tag)

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Overview

Quantity:	1 mg
Target:	MAEA
Protein Characteristics:	AA 1-396
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAEA protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat MAEA Protein expressed in mammalien cells.
Sequence:	MAVQESAAQL SMTLKVQEYP TLKVPYETLN KRFRAAQKNI DRETSHVTMV VAELEKTLSG CPAVDSVVSL LDGVVEKLSV LKRKAVESIQ AEDESAKLCK RRIEHLKEHS SDQPAAASVW KRKRMDRMMV EHLLRCGYYN TAVKLARQSG IEDLVNIEMF LTAKEVEESL ERRETATCLA WCHDNKSRLR KMKSCLEFSL RIQEFIELIR QNKRLDAVRH ARKHFSQAEG SQLDEVRQAM GMLAFPPDTH ISPYKDLLDP ARWRMLIQQF RYDNYRLHQL GNNSVFTLTL QAGLSAIKTP QCYKEDGSSK SPDCPVCSRS LNKLAQPLPM AHCANSRLVC KISGDVMNEN NPPMMLPNGY VYGYNSLLSI RQDDKVVCPR TKEVFHFSQA EKVYIM **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:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalien 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:	MAEA
Alternative Name:	MAEA (MAEA Products)
Background:	E3 ubiquitin-protein transferase MAEA (EC 2.3.2.27) (Cell proliferation-inducing gene 5 protein) (Erythroblast macrophage protein) (Human lung cancer oncogene 10 protein) (HLC-10) (Macrophage erythroblast attacher) (P44EMLP),FUNCTION: Core component of the CTLH E3 ubiquitin-protein ligase complex that selectively accepts ubiquitin from UBE2H and mediates ubiquitination and subsequent proteasomal degradation of the transcription factor HBP1. MAEA and RMND5A are both required for catalytic activity of the CTLH E3 ubiquitin-protein ligase complex (PubMed:29911972). MAEA is required for normal cell proliferation (PubMed:29911972). The CTLH E3 ubiquitin-protein ligase complex is not required for the degradation of enzymes involved in gluconeogenesis, such as FBP1 (PubMed:29911972). Plays a role in erythroblast enucleation during erythrocyte maturation and in the development of mature macrophages (By similarity). Mediates the attachment of erythroid cell to mature macrophages, this MAEA-mediated contact inhibits erythroid cell apoptosis (PubMed:9763581). Participates in erythroblastic island formation, which is the functional unit of definitive erythropoiesis. Associates with F-actin to regulate actin distribution in erythroblasts

Target Details

	and macrophages (By similarity). May contribute to nuclear architecture and cells division events (Probable). {ECO:0000250|UniProtKB:Q4VC33, ECO:0000269|PubMed:29911972, ECO:0000269|PubMed:9763581, ECO:0000305|PubMed:16510120}.
Molecular Weight:	45.3 kDa
UniProt:	Q7L5Y9

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