

Datasheet for ABIN7549221

MAFA Protein (AA 1-353) (His tag)



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Overview

Quantity:	1 mg
Target:	MAFA
Protein Characteristics:	AA 1-353
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAFA protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat MAFA Protein expressed in mammalian cells.
Sequence:	<p>MAAELAMGAE LPSSPLAIEY VNDFDLMKFE VKKEPPEAER FCHRLPPGSL SSTPLSTPCS SVPSSPSFCA PSPGTGGGGG AGGGGGSSQA GGAPGPPSGG PGAVGGTSGK PALEDLYWMS GYQHHLNPEA LNLTPEDAVE ALIGSGHHGA HHGAHHHPAAA AAYEAFRGPG FAGGGGADDM GAGHHHGAHH AAHHHHAAHH HHHHHHHHGG AGHGGGAGHH VRLEERFSDD QLVMSVREL NRQLRGFSKE EVIRLKQKRR TLKNRGYAQS CRFKRVQQRH ILESEKCQLQ SQVEQLKLEV GRLAKERDLY KEKYEKLAGR GGPGSAGGAG FPREPSPQA GPGGAKGTAD FFL 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:	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, Western Blot
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Grade:	custom-made
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Target Details

Target:	MAFA
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Alternative Name:	MAFA (MAFA Products)
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Background:	<p>Transcription factor MafA (Pancreatic beta-cell-specific transcriptional activator) (RIPE3b1 factor) (V-maf musculoaponeurotic fibrosarcoma oncogene homolog A),FUNCTION: Transcription factor that activates insulin gene expression (PubMed:15993959, PubMed:12011435). Acts synergistically with NEUROD1/BETA2 and PDX1 (PubMed:15993959). Binds the insulin enhancer C1/RIPE3b element (PubMed:12011435). Binds to consensus TRE-type MARE 5'-TGCTGACTCAGCA-3' DNA sequence (PubMed:23148532, PubMed:29339498). {ECO:0000269 PubMed:12011435, ECO:0000269 PubMed:15993959, ECO:0000269 PubMed:23148532, ECO:0000269 PubMed:29339498}.</p>
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Molecular Weight:	37.0 kDa
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UniProt:	Q8NHW3
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Pathways:	Hormone Transport
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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