

Datasheet for ABIN7549173

MAFB Protein (AA 1-323) (His tag)



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Overview

Quantity:	1 mg
Target:	MAFB
Protein Characteristics:	AA 1-323
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAFB protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MAFB Protein expressed in mammalian cells.
Sequence:	<p>MAAELSMGPE LPTSPLAMEY VNDFDLLKFD VKKEPLGRAE RGRPCTRLQ PAGSVSSTPL</p> <p>STPCSSVPSS PSFSPTEQKT HLEDLYWMAS NYQQMNPEAL NLTPEDAVEA LIGSHPVPQP</p> <p>LQSFDSFRGA HHHHHHHHHPH PHHAYPGAGV AHDELGPHAH PHHHHHHHQAS PPPSSAASPA</p> <p>QQLPTSHPGP GPHATASATA AGGNGSVEDR FSDDQLVSMS VRELNRHLRG FTKDEVIRLK</p> <p>QKRRTLKNRG YAQSCRYKRV QQKHLENEK TQLIQQVEQL KQEVSLARE RDAYKVKCEK</p> <p>LANSGFREAG STSDSPSSPE 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>
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:	MAFB
Alternative Name:	MAFB (MAFB Products)
Background:	<p>Transcription factor MafB (Maf-B) (V-maf musculoaponeurotic fibrosarcoma oncogene homolog B),FUNCTION: Acts as a transcriptional activator or repressor (PubMed:27181683). Plays a pivotal role in regulating lineage-specific hematopoiesis by repressing ETS1-mediated transcription of erythroid-specific genes in myeloid cells. Required for monocytic, macrophage, osteoclast, podocyte and islet beta cell differentiation. Involved in renal tubule survival and F4/80 maturation. Activates the insulin and glucagon promoters. Together with PAX6, transactivates weakly the glucagon gene promoter through the G1 element. SUMO modification controls its transcriptional activity and ability to specify macrophage fate. Binds element G1 on the glucagon promoter (By similarity). Involved either as an oncogene or as a tumor suppressor, depending on the cell context. Required for the transcriptional activation of HOXB3 in the rhombomere r5 in the hindbrain (By similarity). {ECO:0000250 UniProtKB:P54841, ECO:0000269 PubMed:19143053, ECO:0000269 PubMed:27181683}.</p>
Molecular Weight:	35.8 kDa
UniProt:	Q9Y5Q3

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