

Datasheet for ABIN7563450
MAFB Protein (AA 1-323) (His tag)



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Overview

Quantity:	1 mg
Target:	MAFB
Protein Characteristics:	AA 1-323
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAFB protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Mafb Protein expressed in mammalien cells.
Sequence:	<p>MAAELSMGQE LPTSPLAMEY VNDFDLLKFD VKKEPLGRAE RPGRPCTRLQ PAGSVSSTPL</p> <p>STPCSSVPSS PSFSPTEPKT HLEDLYWMAS NYQQMNPEAL NLTPEDAVEA LIGSHPVPQP</p> <p>LQSFDFGRSA HHHHHHHHPH PHHGYPGAGV THDDLQHAH PHHHHHHQAS PPPSSAASPA</p> <p>QQLPTSHPGP GPHATAAATA AGGNGSVEDR FSDDQLVSMS VRELNRHLRG FTKDEVIRLK</p> <p>QKRRTLKNRG YAQSCRYKRV QQKHLENEK TQLIQVEQL 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>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts.

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:	MAFB
Alternative Name:	Mafb (MAFB Products)
Background:	<p>Transcription factor MafB (Maf-B) (Kreisler) (Segmentation protein Kr) (Transcription factor Maf-1) (V-maf musculoaponeurotic fibrosarcoma oncogene homolog B),FUNCTION: Acts as a transcriptional activator or repressor. 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. 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 (PubMed:11823429).</p> <p>{ECO:0000250 UniProtKB:Q9Y5Q3, ECO:0000269 PubMed:10790365, ECO:0000269 PubMed:11823429, ECO:0000269 PubMed:16443760, ECO:0000269 PubMed:16847325, ECO:0000269 PubMed:17548468, ECO:0000269 PubMed:17901057, ECO:0000269 PubMed:18199433,</p>

Target Details

ECO:0000269|PubMed:19143053, ECO:0000269|PubMed:19440205}.

Molecular Weight: 35.8 kDa

UniProt: [P54841](#)

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