Datasheet for ABIN7563451

MAF Protein (AA 1-370) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	MAF
Protein Characteristics:	AA 1-370
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAF protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Maf Protein expressed in mammalien cells.
Sequence:	MASELAMNNS DLPTSPLAME YVNDFDLMKF EVKKEPVETD RIISQCGRLI AGGSLSSTPM STPCSSVPPS PSFSAPSPGS GSEQKAHLED YYWMTGYPQQ LNPEALGFSP EDAVEALISN SHQLQGGFDG YARGAQQLAA AAGAGAGASL GGSGEEMGPA AAVVSAVIAA AAAQSGAAPH YHHHHHHAAG HHHHPTAGAP GAAGGASASA SGAGGAGGGG PASAGGGGGG GGGGGTAGAG GALHPHHAAG GLHFDDRFSD EQLVTMSVRE LNRQLRGVSK EEVIRLKQKR RTLKNRGYAQ SCRFKRVQQR HVLESEKNQL LQQVDHLKQE ISRLVRERDA YKEKYEKLVS NGFRENGSSS DNPSSPEFFM **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:	MAF
Alternative Name:	Maf (MAF Products)
Background:	Transcription factor Maf (Proto-oncogene c-Maf) (V-maf musculoaponeurotic fibrosarcoma oncogene homolog),FUNCTION: Acts as a transcriptional activator or repressor. When overexpressed, represses anti-oxidant response element (ARE)-mediated transcription. Involved either as an oncogene or as a tumor suppressor, depending on the cell context. Binds to the ARE sites of detoxifying enzyme gene promoters (By similarity). Involved in embryonic lens fiber cell development. Recruits the transcriptional coactivators CREBBP and/or EP300 to crystallin promoters leading to up-regulation of crystallin gene during lens fiber cell differentiation. Activates the expression of IL4 in T helper 2 (Th2) cells. Increases T-cell susceptibility to apoptosis by interacting with MYB and decreasing BCL2 expression. Together with PAX6, transactivates strongly the glucagon gene promoter through the G1 element. Activates transcription of the CD13 proximal promoter in endothelial cells. Represses transcription of the CD13 promoter in early stages of myelopoiesis by affecting the ETS1 and MYB cooperative interaction. Involved in the initial chondrocyte terminal differentiation and the disappearance of hypertrophic chondrocytes during endochondral bone development. Binds to the sequence 5'-

Target Details

	[GT]G[GC]N[GT]NCTCAGNN-3' in the L7 promoter. Binds to the T-MARE (Maf response element) sites of lens-specific alpha- and beta-crystallin gene promoters. Binds element G1 on the glucagon promoter. Binds an AT-rich region adjacent to the TGC motif (atypical Maf response element) in the CD13 proximal promoter in endothelial cells. It may interact with additional basic-zipper proteins that determine a subtype of Maf-responsive element binding. {ECO:0000250, ECO:0000269|PubMed:10097114, ECO:0000269|PubMed:10383433, ECO:0000269|PubMed:10403649, ECO:0000269|PubMed:10603348, ECO:0000269|PubMed:11943779, ECO:0000269|PubMed:14512017, ECO:0000269|PubMed:17823980, ECO:0000269|PubMed:17897790, ECO:0000269|PubMed:17901057, ECO:0000269|PubMed:19143053, ECO:0000269|PubMed:9070273, ECO:0000269|PubMed:9566892}.
Molecular Weight:	38.4 kDa
UniProt:	P54843

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