

Product datasheet

Recombinant Human MAFG protein ab113589

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Description

Product name	Recombinant Human MAFG protein
Purity	> 90 % SDS-PAGE. ab113589 was purified by using conventional chromatography.
Expression system	Escherichia coli
Accession	<u>O15525</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	20 kDa including tags
Amino acids	1 to 162
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab113589** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.02% DTT, 0.32% Tris HCl, 40% Glycerol (glycerin, glycerine), 0.88% Sodium chloride
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General Info

Function

Since they lack a putative transactivation domain, the small Mafs behave as transcriptional repressors when they dimerize among themselves. However, they seem to serve as transcriptional activators by dimerizing with other (usually larger) basic-zipper proteins and recruiting them to specific DNA-binding sites. Small Maf proteins heterodimerize with Fos and may act as competitive repressors of the NF-E2 transcription factor. Transcription factor, component of erythroid-specific transcription factor NF-E2. Activates globin gene expression when associated with NF-E2. May be involved in signal transduction of extracellular H(+).

Tissue specificity

Highly expressed in skeletal muscle. Also expressed in heart and brain.

Sequence similarities

Belongs to the bZIP family. Maf subfamily.
Contains 1 bZIP domain.

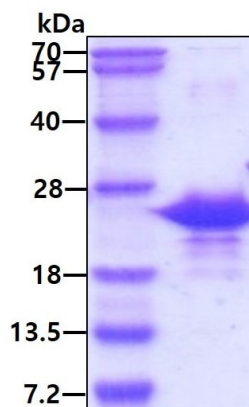
Post-translational modifications

Acetylated in erythroid cells by CREB-binding protein (CBP). Acetylation augments the DNA-binding activity of NFE2, but has no effect on binding NFE2.
Sumoylation at Lys-14 is required for active transcriptional repression.

Cellular localization

Nucleus.

Images



3ug by SDS-PAGE under reducing conditions and visualized by coomassie blue stain.

SDS-PAGE - Recombinant Human MAFG protein
(ab113589)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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