

Recombinant human MAF1 protein

Catalog Number: ATGP1197

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-256aa

UniProt No.

Q9H063

NCBI Accession No.

AAH31273

Alternative Names

MAF1 homolog (S. cerevisiae), MGC20332, MGC31779, MGC39758

PRODUCT SPECIFICATION

Molecular Weight

31.0 kDa (276aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

MAF1 that is similar to Maf1, a *Saccharomyces cerevisiae* protein is a protein highly conserved in eukaryotic cells and is localized to the nucleus. Interacting with BRF2, MAF1 functions to mediate signals that specifically repress the activity of RNA polymerase III (Pol III), specifically by inhibiting the assembly of TFIIB onto DNA. It responds to changes in the cellular environment and represses pol III transcription. Recombinant human MAF1 protein, fused to His-tag at N-terminus, was expressed in *E. coli* and purified by using conventional chromatography.

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Amino acid Sequence

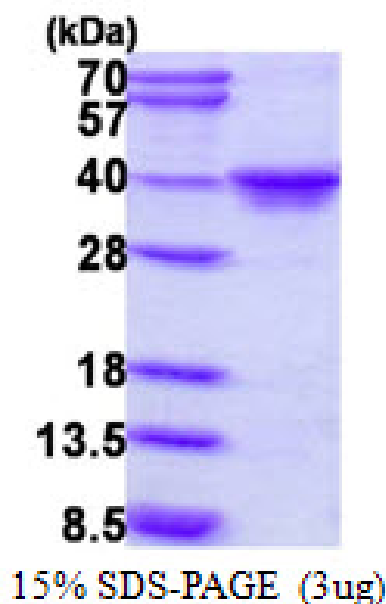
MGSSHHHHHH SSGLVPRGSH MKLLENSSE AINSQTLVET GDAHIIGRIE SYSCKMAGDD KHMFKQFCQE GQPHVLEALS
PPQTSGLSPS RLSKSQGGEE EGPLSDKCSR KTLFYLIATL NESFRPDYDF STARSHEFSR EPSLSWVVNA VNCSLFS AVR
EDFKDLKPQL WNAVDEEICL AECDIYSYNP DLDSDPFGED GSLWSFNFF YNKRLKRIVF FSCRSISGST YTPSEAGNEL
DMELGEEVE EESRSGSGA EETSTMEEDR VPVICI

General References

Pluta K. et al. (2001) Mol. Cell. Biol. 21: 5031-5040
upadhy R. et al. (2002) Mol. Cell. 10: 1489-1494.

DATA

SDS-PAGE



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