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# Recombinant human MAF1 protein

Catalog Number: ATGP1197

# **PRODUCT INFORMATION**

# **Expression system**

E.coli

#### **Domain**

1-256aa

#### UniProt No.

O9H063

#### **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. Interactng with BRF2, MAF1 functions to mediate signals that specifically repress the activity of RNA polymerase III (Pol III), specifically by inhibiting the assembly of TFIIIB 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**

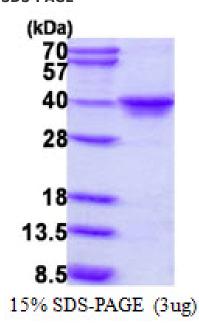
MGSSHHHHHH SSGLVPRGSH MKLLENSSFE AINSQLTVET GDAHIIGRIE SYSCKMAGDD KHMFKQFCQE GQPHVLEALS PPQTSGLSPS RLSKSQGGEE EGPLSDKCSR KTLFYLIATL NESFRPDYDF STARSHEFSR EPSLSWVVNA VNCSLFSAVR EDFKDLKPQL WNAVDEEICL AECDIYSYNP DLDSDPFGED GSLWSFNYFF YNKRLKRIVF FSCRSISGST YTPSEAGNEL DMELGEEEVE EESRSRGSGA EETSTMEEDR VPVICI

### **General References**

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

# **DATA**





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

