

# Recombinant human MafF protein

Catalog Number: ATGP2065

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

1-164aa

### UniProt No.

Q9ULX9

### NCBI Accession No.

NP\_001155045

### Alternative Names

Transcription factor MafF isoform a, hMafF, u-MAF

## PRODUCT SPECIFICATION

---

### Molecular Weight

20.1 kDa (187aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### 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

MAFF is a basic leucine zipper (bZIP) transcription factor that lacks a transactivation domain. It is known to bind the uS-2 DNA element in the promoter of the oxytocin receptor (OTR) gene and most likely heterodimerizes with other leucine zipper-containing proteins to enhance expression of the OTR gene during term pregnancy. This protein can also form homodimers, and since it lacks a transactivation domain, the homodimer may act as a repressor of transcription. Recombinant human MAFF protein, fused to His-tag at N-terminus, was expressed in E. coli

## Recombinant human MafF protein

Catalog Number: ATGP2065

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMVDPLS SKALKIKREL SENTPHLSDE ALMGLSVREL NRHLRGLSAE EVTRLKQRRR  
TLKNRGYAAS CRVKRVCQKE ELQKQKSELE REVVDKLAREN AAMRLELDAL RGKCEALQGF ARSVAAARGP ATLVAPASVI  
TIVKSTPGSG SGPAHGPDPA HGPASCS

### General References

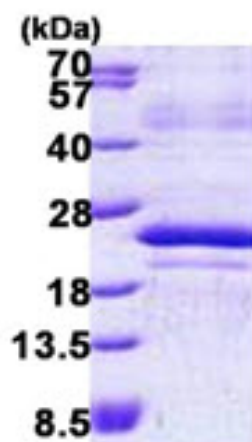
Ye X. et al. (2006) Arch. Biochem. Biophys. 449:87-93

Massrieh W. et al. (2006) Biol. Reprod. 74:699-705.

## DATA

---

### SDS-PAGE



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

15% SDS-PAGE (3ug)