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

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Amino acid Sequence

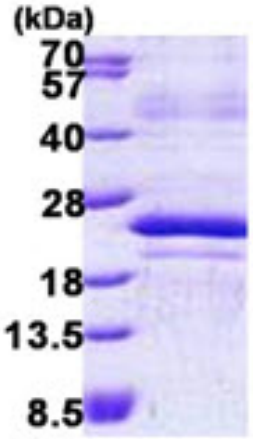
MGSSHHHHHH SSGLVPRGSH MGSMSVDPLS SKALKIKREL SENTPHLSDE ALMGLSVREL NRHLRGLSAE EVTRLKQRRR TLKNRGYAAS CRVKRVCQKE ELQKQKSELE REVDKLAREN AAMRLELDAL RGKCEALQGF ARSVAAARGP ATLVAPASVI TIVKSTPGSG SGPAHGPDPA HGPASCS

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



15% SDS-PAGE (3ug)

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