Recombinant Human v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog F, His-tagged

Cat. No. MAFF-550H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MAFF, 1-164aa, Human His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-164 a.a.
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
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
Molecular Mass	20.1 kDa(187aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSVDPLS SKALKIKREL SENTPHLSDE ALMGLSVREL NRHLRGLSAE EVTRLKQRRR TLKNRGYAAS CRVKRVCQKE ELQKQKSELE REVDKLAREN AAMRLELDAL RGKCEALQGF ARSVAAARGP ATLVAPASVI TIVKSTPGSG SGPAHGPDPA HGPASCS

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Purity	>85% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	MAFF v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian) [Homo sapiens]
Official Symbol	MAFF
Synonyms	MAFF; v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian); v maf musculoaponeurotic fibrosarcoma (avian) oncogene family, protein F; transcription factor MafF; hMafF; v-maf avian musculoaponeurotic fibrosarcoma oncogene family protein F; U-MAF;
Gene ID	23764
mRNA Refseq	NM_001161572
Protein Refseq	NP_001155044
MIM	604877
UniProt ID	Q9ULX9
Chromosome Location	22q13.1

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Pathway	Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Hemostasis, organism-specific biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem;
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;