

**MAFF, 1-164aa, Human His tag, E.coli**

**Cat.NO.: TP02877**

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3th Edition

**Synonyms:**Transcription factor MafF isoform a, hMafF, U-MAF

**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 Weight:**20.1 kDa(187aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGMSVDPLSSKALKIKRESENTPHLSDEALMGLSVRELNRLRGLSAEEVTRL  
KQRRRTLKNRGYAASCRVKRVCQKEELQKQKSELEREVDKLARENAAMRLELDALRGKCEALQGFARSVAAARG  
PATLVAPASVITIVKSTPGSGSGPAHGPDPAHGPAASCS

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.