

## Product datasheet for **RG228733**

### MAFF (NM\_001161574) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MAFF (NM\_001161574) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** MAFF  
**Synonyms:** hMaff; U-MAF  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG228733 representing NM\_001161574  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGTGGATCCCCTATCCAGCAAAGCTCTAAAGATCAAGCGAGAGCTGAGCGAGAACACGCCGACC  
TGTCGGACGAGGCGTGTGGGGCTGTCGGTGCAGGAGCTGAACCGGCATCTGCGCGGGCTCTCCGCCGA  
GGAGGTGACACGGCTCAAGCAGCGGCCGCCACACTCAAAAACCGTGGCTACGCCCCAGCTGCCGCGTG  
AAGCGCGTGTGCCAGAAGGAGGAGCTGCAGAAGCAGAAGTCGGAGCTGGAGCGGAGGTGGACAAGCTGG  
CGCGGAGAACGCCGCCATGCGCCTGGAGCTCGACGCGCTGCGCGCAAGTGCAGGCGCTGCAGGGCTT  
CGCGCGCTCCGTGGCCGCCGCCGCGGGCCGCCACGCTCGTGGCGCCGCCAGCGTCATCACCATCGTC  
AAGTCCACCCCGGGCTCGGGGTCTGGCCCGCCACGGCCCGGACCCCGCCACGGCCCGGCTCTCTGCT  
CC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

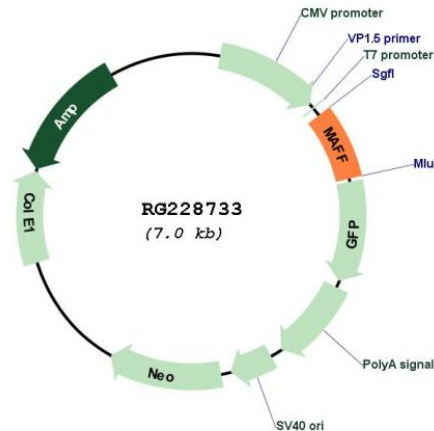
**Protein Sequence:** >RG228733 representing NM\_001161574  
Red=Cloning site Green=Tags(s)  
MSVDPLSSKALKIKRELSENTPHLSDEALMGLSVRELNRLRGLSAEEVTRLKQRRRTLKNRGYAASCRV  
KRVCQKEELQKQKSELEREVDKLARENAAMRLELDALRGKCEALQGFARSVAARGPATLVAPASVITIV  
KSTPGSGSPAHPDPAHGPASCS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001161574

**ORF Size:** 495 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u>NM_001161574.1, NP_001155046.1</u>
<b>RefSeq Size:</b>	2383 bp
<b>RefSeq ORF:</b>	408 bp
<b>Locus ID:</b>	23764
<b>UniProt ID:</b>	<u>Q9ULX9</u>
<b>Cytogenetics:</b>	22q13.1
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	The protein encoded by this gene 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. The encoded protein can also form homodimers, and since it lacks a transactivation domain, the homodimer may act as a repressor of transcription. This gene may also be involved in the cellular stress response. Multiple transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jun 2009]