

## Product datasheet for **RN206657**

### **Mafg (NM\_022386) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mafg (NM\_022386) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mafg  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN206657 representing NM\_022386  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGACCCCCAATAAAGGAACAAGGCCTTAAGGTGAAGCGGGAGCCAGGCGAGAATGGCACCAGCT  
TGACTGATGAGGAGCTGGTGACCATGTCGGTGCAGAGTTGAACCAGCACCTGCGAGGCCATCCAAGGA  
AGAGATTCCAGCTGAAGCAGCGCCGGCGCACACTCAAGAACCAGGCTACGCAGCCAGCTGTCGAGTG  
AAGCGGGTGACACAGAAGGAGGAGCTGGAAAAGCAGAAGCGGAGCTACAGCAGGAGGTGGAGAAGCTGG  
CCTCTGAGAATGCCAGCATGAAGCTGGAGCTCGATGCGCTGCGCTCCAAGTATGAGGCCCTGCAGAACTT  
TGCCAGGACCGTGGCCCGCAGCCCTGTGGCCCCGGCTCGGGTCCCTTGCTGCTGGCCTGGGGCCCTG  
GTCCCTGGCAAGGTGGCTGCCACCAGCGTCATCAATAGTAAAGTCCAAGACAGATGCTCGGTCA**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_022386  
**Insert Size:** 489 bp  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).  
**Components:** 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).



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**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_022386.2](#), [NP\\_071781.1](#)

**RefSeq Size:** 1638 bp

**RefSeq ORF:** 489 bp

**Locus ID:** 64188

**UniProt ID:** [Q76MX4](#)

**Cytogenetics:** 10q32.3

**Gene Summary:** increased expression of splice variant MafG-2 is detected in response to decreased extracellular pH; may play a role in signal transduction of extracellular protons [RGD, Feb 2006]