

## Product datasheet for **MC200841**

### **Agr2 (NM\_011783) Mouse Untagged Clone**

#### **Product data:**

**Product Type:** Expression Plasmids  
**Product Name:** Agr2 (NM\_011783) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Agr2  
**Synonyms:** Agr2h; Gob-4; HAG-2; mAG-2; XAG-2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC013334 sequence for NM\_011783  
 CCACGCGTCCGCTTGGACGGCAACCCTTGC GGCTCACACAAAGCAGGAGGGTGGGAAGCCAGATTTGCC  
 ATGGAGAAATTTTCAGTGTCTGCAATCCTGCTTCTTGTGGCCATTCTGGTACCTTGCCAAAGACACCA  
 CAGTCAAATCTGGAGCCAAAAAGGACCCAAAGGACTCTCGGCCAAACTACCTCAGACACTCTCCAGAGG  
 TTGGGGCGATCAGCTCATCTGGACTCAGACATACGAAGAAGCTTTATACAGATCCAAGACAAGCAACAGA  
 CCCTTGATGGTCATTCACCTTGGACGAATGCCACACAGTCAAGCCTTAAAGAAAAGTGTGTTGCTGAAC  
 ATAAAGAAATCCAGAAATTGGCAGAGCAGTTTGTCTCCTCAACCTGGTCTATGAAAACAACCGACAAGCA  
 CCTTTCTCCTGATGGCCAGTACGTCCTCCAGAAATTGTGTTGTAGACCCATCCCTGACGGTGAGGGCAGAC  
 ATCACTGGACGATACTCAAACCGGCTCTACGCTTATGAACCTTCTGACACAGCTTGTGTTGACGACAACA  
 TGAAGAAAGCTCTCAAGCTGCTAAAGACAGAATTGTAGAGCTAACTGCGCACCGGGTCAGGAGACCAGAA  
 GGCAGAAGCACTGTGGACTTGCAGATTACAGTACAGTTTAAATGTTACAACAGATATATTTTTTAAACACC  
 CACAGGTGGGAAACAATATTATTATCTACTACAGTGAAGCATGATTTTCTAGAAAAATAAAGTCTTGTGA  
 GAACTCCAGCTGAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_011783

**Insert Size:** 528 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).



[View online »](#)

**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:** [BC013334](#), [AAH13334](#)

**RefSeq Size:** 802 bp

**RefSeq ORF:** 528 bp

**Locus ID:** 23795

**UniProt ID:** [O88312](#)

**Cytogenetics:** 12 A3

**Gene Summary:** Required for MUC2 post-transcriptional synthesis and secretion. May play a role in the production of mucus by intestinal cells. Proto-oncogene that may play a role in cell migration, cell differentiation and cell growth (By similarity). Promotes cell adhesion (By similarity). [UniProtKB/Swiss-Prot Function]