

Product datasheet for MR201533

Agr2 (NM_011783) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Agr2 (NM_011783) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Agr2
Synonyms: Agr2h; Gob-4; HAG-2; mAG-2; XAG-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201533 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGAAATTTTCAGTGTCTGCAATCTGCTTCTGTGGCCATTTCTGGTACCTTGCCAAAGACACCA
 CAGTCAAATCTGGAGCCAAAAAGGACCCAAAGGACTCTCGGCCAAACTACCTCAGACACTCTCCAGAGG
 TTGGGGCGATCAGCTCATCTGGACTCAGACATACGAAGAAGCTTTATACAGATCCAAGACAAGCAACAGA
 CCCTTGATGGTCATTCACACTGGACGAATGCCACACAGTCAAGCCTTAAAGAAAGTGTTTGCTGAAC
 ATAAAGAAATCCAGAAATTGGCAGAGCAGTTTGTCTCCTCAACCTGGTCTATGAAACAACCGACAAGCA
 CCTTTCTCCTGATGGCCAGTACGTCCCCAGAATTGTGTTGTAGACCCATCCCTGACGGTGAGGGCAGAC
 ATCACTGGACGATACTCAAACCGCTCTACGCTTATGAACCTTCTGACACAGCTTGTGTGACGACAACA
 TGAAGAAAGCTCTCAAGCTGCTAAAGACAGAATTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201533 protein sequence
 Red=Cloning site Green=Tags(s)

MEKFSVSAILLLV AISGTLAKDITVKSGAKKDPKDSRPKLPQTL SRGWGDQLIWTQTYEEALYRSKTSNR
 PLMVIHHLDECPHSQALKKVF AEHKEIQKLAEQFVLLNLVYETTDKHLSPDGQYVPRIVFVDPSTLTVRAD
 ITGRYSNRLYAYEPSDTALLYDNMKKALKLLKTEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_011783

ORF Size: 528 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.

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).

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_011783.1](#)

RefSeq Size: 760 bp

RefSeq ORF: 528 bp

Locus ID: 23795

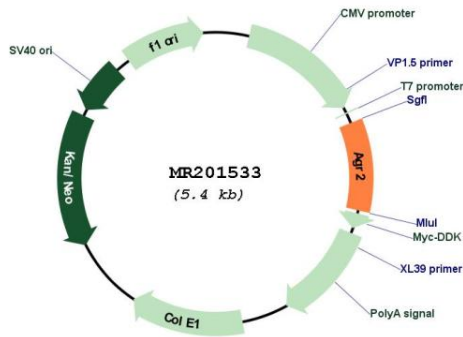
UniProt ID: [O88312](#)

Cytogenetics: 12 A3

MW: 19.9 kDa

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]

Product images:



Circular map for MR201533