

Product datasheet for **MG201533**

Agr2 (NM_011783) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Agr2 (NM_011783) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Agr2
Synonyms: Agr2h; Gob-4; HAG-2; mAG-2; XAG-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201533 representing NM_011783
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGAGAAATTTTCAGTGTCTGCAATCCTGCTTCTGTGGCCATTTCTGGTACCTTGCCAAAGACACCA
CAGTCAAATCTGGAGCCAAAAAGGACCCAAAGGACTCTCGGCCAACTACCTCAGACACTCTCCAGAGG
TTGGGGCGATCAGCTCATCTGGACTCAGACATACGAAGAAGCTTTATACAGATCCAAGACAAGCAACAGA
CCCTTGATGGTCATTCACTTGGACGAATGCCACACAGTCAAGCCTTAAAGAAAGTGTGTGCTGAAC
ATAAAGAAATCCAGAAATTGGCAGAGCAGTTTGTCTCCTCAACCTGGTCTATGAAACAACCGACAAGCA
CCTTTCTCCTGATGGCCAGTACGTCCCCAGAATTGTGTTGTAGACCCATCCCTGACGGTGAGGGCAGAC
ATCACTGGACGATACTCAAACCGCTCTACGCTTATGAACCTTCTGACACAGCTTTGTTGTACGACAACA
TGAAGAAAGCTCTCAAGCTGCTAAAGACAGAATTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201533 representing NM_011783
Red=Cloning site Green=Tags(s)

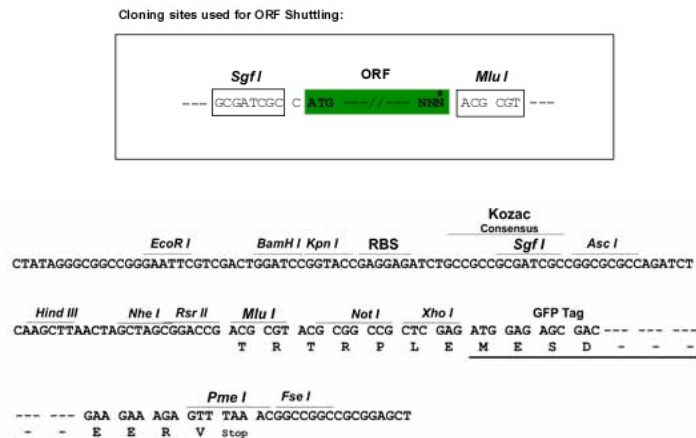
MEKFSVSAILLLVAISGTLAKDITVKSGAKKDPKDSRPKLPQTL SRGWGDLIWTQTYEEALYRSKTSNR
 PLMVIHHLDECPHSQALKKVFAEHKEIQKLAEQFVLLNLVYETTDKHLSPDGQYVPRIVFVDPSTLTVRAD
 ITGRYSNRLYAYEPSDTALLYDNMKKALKLLKTEL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_011783

ORF Size: 525 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

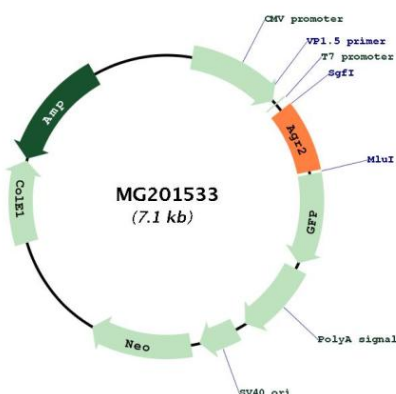
Locus ID: 23795

UniProt ID: [O88312](#)

Cytogenetics: 12 A3

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 MG201533