

Product datasheet for MR201333

Agr3 (NM_207531) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Agr3 (NM_207531) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Agr3
Synonyms: BCMP11; E030025L21Rik; Gm888
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201333 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTACATTCGGCTCTGGCCCTCTGCCTCTTGCTGATCACAGTTTCTTCAAACCTTGCCATTGCTATCA
 AAAAAGAAAAGAGACCTCCTCAGACACTCTCAAGAGGATGGGGAGATGACATCACATGGGTGCAAACCTTA
 CGAAGAAGGTCTTTTCATGCTCGAAAAGTAACAAACCACTGATGGTTATTCACCACCTGGAGGACTGT
 CAGTACTGTCAAGCACTAAAAAGGAATTTGCCAAAAATGAAGAAATACAAGAAATGGCACAAAATGACT
 TCATCATGCTGAATCTCATGCATGAGACCACGGACAAGAATTGTCACCTGATGGGCAGTACGTGCCAG
 GATCATGTTTGTGACCCTTCTTTGACTGTCAGGGCTGATATAACTGGAAGATACTCTAACAGACTATAC
 ACGTATGAACCCAGGACTTACCATGTTGGTAGACAACATGAAGAAAGCACTAAGACTTATCCAGTCAG
 AGTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201333 protein sequence
 Red=Cloning site Green=Tags(s)

MLHSALALCLLLITVSSNLAIAIKKEKRPQTLSRGWDDITWVQTYEEGLFHARKSNKPLMVIHHEDC
 QYCQALKKEFAKNEEQEMAQNDFIMLNLMHETTDKNLSPDGQYVPRIMFVDPSTVTRADITGRYSNRLY
 TYEPQDLPMLVDNMKKALRLIQSEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_207531

ORF Size: 498 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_207531.1](#), [NM_207531.2](#), [NM_207531.3](#), [NP_997414.2](#)

RefSeq Size: 819 bp

RefSeq ORF: 498 bp

Locus ID: 403205

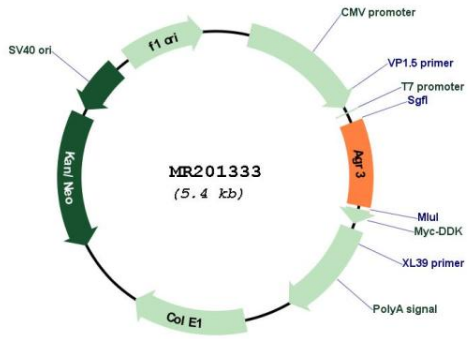
UniProt ID: [Q8R3W7](#)

Cytogenetics: 12 A3

MW: 19.1 kDa

Gene Summary: Required for calcium-mediated regulation of ciliary beat frequency and mucociliary clearance in the airway. Might be involved in the regulation of intracellular calcium in tracheal epithelial cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201333