

## Product datasheet for **MC220052**

### Adgrf2 (NM\_001033493) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adgrf2 (NM_001033493) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adgrf2
Synonyms:	Gpr111; PGR20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220052 representing NM\_001033493  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATTCTGCCATTGTTGTACTGTTTGATGCTTCTTTGCCTATAGAATCCTGTAGGATATTATGCC  
 AGGCCTCCAGCAAAGCAAGGAGAAGGTGACATCCAGACCACATGATGTCTGTGATGGTGTCTGTAATAA  
 CAATGGCACCCCTGCTTTCAGTCTTGTCTCCAGACAGTGAGGGCAACATGAAATTTGCCTGTAAGGCC  
 AAGAAATGGCACAAGTCACTGAAACCTGCCACTCTCAATACCCACAGCATCTTTGAGGAGGATAAGG  
 AACTATATTCAGTTCAATCATCTGATCAACCATACGTACACACATGTTTCATAGAGAACTAAAACCAT  
 AATGGATACGTTGATGAAAAGTGTCAAAGGATTTGTCTTGTGTGATCAAAGGCATTGAGAGATCTCT  
 CGGATGCCAGGGAACATTGCTGTGGTGGTGCAGCTTTACACAACATCTCAACAACCTAACCAAAGACG  
 TCAATGAGGAAAAGATGCAGAGTTACAGTGCCATGGCTAACACATTCTAACAGTAAAAGCATATCAA  
 TTGGACCTTCATCCAAGACAGAAACAGCAGCTGTGTCTTGCTTCAATCAATCCATTCAATTTGCAAGCAAG  
 CTATTTATGAAGGAACATCTCATCAACATATCACATGTCTTTATTCATACCTTGGGGACGGTCGTGTCCA  
 GGGCAGCCTTGGGAAGAATTTACGTTTCTCAATGCGAATTAATGAGACAAGTGATAAGGTCACCTGGGAG  
 GCTACTGCTCAGCCCTGAAGAGCTTCAGAAGGTGCCTTCTGCTTCCAGGTCATCAGCATTGCTTTCCCA  
 ACTCTTGGGGCCATCCTGGAGGCCAGTCTTTGGAAAAATGTGACTGTGAATGGGCTCGTCTGTCTGTCA  
 TTTTGGCCGAGGAGCTTAAAAACATCTCACTGATATTTGAAAAGATCAGAAAATCTGGAGAGAGGAAATC  
 CCAGTGTGTGGGATGGCACTCCTGGAGAGCAGATGGGACTGGAGGGCTTGTA AACGATTCAAGAAAAC  
 TCCAGGCAAGCTGTTGCCGTTGTGGCCGAATAAGTTATATACTTCTTCTCCATTCTAATGTCTCCCA  
 ACACGTTGGAAAGCCCTGTTCTAACTTATATTACATACATAGGCCTGGGCATTTCCATCTGCAGCTTGAT  
 CATCTGCCTGGCCATTGAGGTCTTAGTCTGGAGTCAAGTGACAAAGACAGAGATCTCATATTTACGTCAC  
 CTGTGCATCGCTAACATTGCGGCCACCTTGCTGATGGCTGATGCGTGGTTCATCGTGGCGCTTTTCTCA  
 GTGGCCAGTACTACACCACAATGGATGTGTGGCCGCCACGTTTTTTGTTCACTTCTTTACCTGTCCGT  
 GTTTTTCTGGATGCTTGCCAAGGCTCTCCTTATCCTCTATGGAATTCTCATTGTGTTTCATACACTGCC  
 AAGTCGTGCCTGGTGGCCTCTCTGTTTTCCGTGGGCTATGGGTGCCCTTTGGTTCATCGCCATTATCACAC  
 TTGCCGTTACAGAGCCTGGAAAAGGCTACCTCCGGCCGAGGCCTGCTGGCTTAATGGGACATGACCAA  
 GGCTCTCCTGGCCTTTGTAGTACCAGCTCTGGCCATTGTTGTAGTAAACCTGATTACAGTACAATGGTC  
 ATCATCAAGACCAGAGAGCTGCCATCGGTAGTCCATGTTCCAGGAAGTAAGAGCCATCGTGAGGATCT  
 GTAAGAACATTGCCATCCTCACACCACTGCTGGGCTGACCTGGGATTTGGGATAGCCACAGTCATTAA  
 TGGTCACTCCCTGGCCTTCCACATTATCTTCTCCTTACTCAATGCACTCCAGGTAAGTCCGGATGCTGCA  
 GTAGACTCTGAATTGAGAGAGTGTGTGCATCGGTTTTGTGGG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001033493  
**Insert Size:** 1935 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_001033493.2](#), [NP\\_001028665.2](#)

**RefSeq Size:** 3283 bp

**RefSeq ORF:** 1935 bp

**Locus ID:** 435529

**UniProt ID:** [E9Q4J9](#)

**Cytogenetics:** 17 B3

**Gene Summary:** Orphan receptor.[UniProtKB/Swiss-Prot Function]