

Product datasheet for **MC217540**

Adrg5 (NM_001033468) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adrg5 (NM_001033468) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adrg5
Synonyms:	Gm1109; Gpr114; PGR27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC217540 representing NM_001033468
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCCACACGGCGCCCTTTTCTTACCTGTGCCTTCTGGCTGCTCAAGTTGCTTAGTAGAAACCC
 TGCAGACCTACTTGCTTGATGAAGCGCCTTGAGCAGCCGTAGGCCGGGGCTTGCTTCCAGAGCGAG
 GCATATCCACAGCCTGGAGCAGAAGCTGCTCAATGCCAGCTTCGGCGGGCACAATTGACCTTGACAGACA
 AACTCCATCCAGTCTCTTGCTTCAAGCTGAGCTGCGACTTTCCTGGTCTTCCCTGTCCAGCACCACAC
 TGACAAATGTCTCCAGGTGCGAGCCCCACATGCCATGCAATTCCTGTGAGCTGACCAAGGGTGCCTG
 TGTGACCTCCCGGCTGTGAGCTTCGACTCATCTGCATCTATTTCTTCACTGCACACCTTTTCAGGAT
 GACCGGAATCATCACTGCTCAATAACTATGTCTGGGGGCCAGCTGGATCACAGGCCTGTGAACAACC
 TTCAGAAGCCAGTCAACATCAGCTTCTGGCATAATCGGAGTCTGGAAGGGTATACAGTATCTGTGTTTT
 CTGGAAGGAGGGAGCCAGCAAGAGCAGCTGGGGGGCCTGGAGCCCTGAGGGCTGTATACAGAGCAGCCC
 TCAGCCACCCAGGTTCTCTGCCATTGCAACCATCTCACCTACTTCGCTGTGCTTATGCTCTCTGGAGACC
 CCGTGCCCGCTGAGCTGCAGGTGCCTCTTGAGTACATCTCCTTTGTGGTTCGAGCATCTCCATCGTGGC
 CTCGCTGCTCACCATACTGCTGTACGCTCAGTCCAGGAAGCAAAGCGATTCCACCACACGTATCCACATG
 AACCTGAATGGCTCTGTTCTGCTCCTGAACGTCACCTTCTTCTGAGCTCCCAGATGACCCTGCCACCA
 TGCCCAGGCCCGTCTGCAAGGTGCTGGCTGTCTACACTACGCACTGCTCAGCAGCCTTACCTGGAT
 GGCCATCGAAGGCTTCAACCTCTACCTTTCTGGGGCGTGTCTACAACGCTACATTCGCCGATACTTG
 CTAAGCTCTGCATGCTGGGCTGGGGTTTCCAGCCCTTGGTGTGCTGCTTCTGATGATCAAGAGCT
 CAGTGTATGGACCCTGTGTGACCTCACTCTCAAAGCCAGGAAAATGGCACAGGCTTCCAGAATGTGTC
 CATGTGCTGGATCCGAAGTCCCATGGTACACAGCATCCTGGTCATGGGCTATGGTGGCTTACATCTCTG
 TTCAACCTGGTGGTGTGGCCTGGGCTCTGTGGATCTTGTGAGGCTTCGGGCACGGGAGAGGCACTGA
 GTCCTGGGCTACCGGGACACTGCCATGGTGTGGGCTCACTGTGCTGCTTGGCACCCTGGACCCT
 AGCCTTCTTCTTCCGCTGTGTTCTGCTGCCTCAGCTTCTCTTTACCATCTTCAACTCGCTCTAT
 GGTCTTCTCTTCTGTTCTGCTCACAAAAGCGTTACTCGGATGCCGAAGCAAGGCGGAGATGG
 AGGCAGTCAGCTCTCCAGATGACACACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001033468
- Insert Size:** 1572 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).

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_001033468.3](#), [NP_001028640.2](#)

RefSeq Size: 2812 bp

RefSeq ORF: 1572 bp

Locus ID: 382045

UniProt ID: [Q3V3Z3](#)

Cytogenetics: 8 C5

Gene Summary: Adhesion G protein-coupled receptor (GPCR). Transduces intracellular signals through coupling to guanine nucleotide-binding protein G(s) subunit alpha and activation of adenylate cyclase pathway (PubMed:22575658). Isoform 1, but not isoform 2, is constitutively active, as evidenced by elevated basal cAMP levels, and responds to mechanical activation (shaking) (PubMed:26499266).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) has two alternate splice sites in the 5' UTR and CDS respectively, as compared to variant 1. The resulting isoform (2) lacks an internal amino acid, as compared to isoform 1.