

Product datasheet for **MC217539**

Adrg5 (NM_001145972) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adrg5 (NM_001145972) 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)



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Fully Sequenced ORF: >MC217539 representing NM_001145972
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCCACACGGCGCCCTTTTCTTACCTGTGCCTTCTGGCTGCTCAAGTTGCCTAGTAGAAACCC
 TGCAGACCTACTTGCTTGATGAAGCGCCTTGAGCAGCCGTAGGCCGGGGCTTGCTTCCAGAGCGAG
 GCATATCCACAGCCTGGAGCAGAAGCTGCTCAATGCCAGCTTCGGCGGGCACAATTGACCTTGAGACA
 AACTCCATCCAGTCTCTTGCTTCAAGCTGAGCTGCGACTTTCCTGGTCTTCCCTGTCCAGCACCACAC
 TGACAAATGTCTCCAGGTGCGAGCCCCACATGCCATGCAATTCCTGTGAGCTGACCAAGGGTGCCTG
 TGTGACCTCCCGGCTGTGAGCTTCGACTCATCTGCATCTATTTCTTCACTGCACACCTTTTCAGGAT
 GACCGGAATCATCACTGCTCAATAACTATGTCTGGGGGCCAGCTGGATCACAGGCCTGTGAACAACC
 TTCAGAAGCCAGTCAACATCAGCTTCTGGCATAATCGGAGTCTGGAAGGGTATACAGTATCTGTGTTTT
 CTGGAAGGAGGGAGCCAGCAAGAGCAGCTGGGGGGCCTGGAGCCCTGAGGGCTGTATACAGAGCAGCCC
 TCAGCCACCCAGGTTCTCTGCCATTGCAACCATCTCACCTACTTCGCTGTGCTTATGCAGCTCTCTGGAG
 ACCCCGTGCCCGCTGAGCTGCAGGTGCCTCTTGTAGTACATCTCCTTTGTGGGTTGCAGCATCTCCATCGT
 GGCTCGCTGCTCACCATACTGTGTACGCTCAGTCCAGGAAGCAAAGCGATTCCACCACACGTATCCAC
 ATGAACCTGAATGGCTCTGTTCTGCTCCTGAACGTACCTTCTTCTGAGCTCCAGATGACCCTGCCCA
 CCATGCCAGGCCCGTCTGCAAGGTGCTGGCTGCTGTCTACACTACGCACTGCTCAGCAGCCTTACCTG
 GATGGCCATCGAAGGCTTCAACCTTACCTTTTCTGGGGCGTGTCTACAACGCCTACATTCGCCGATAC
 TTGCTCAAGCTCTGCATGCTGGGCTGGGGTTTCCAGCCCTCTTGGTGTCTGCTCTGATGATCAAGA
 GCTCAGTGTATGGACCTGTGTGACCTCACTCTCAAAAAGCCAGGAAAATGGCACAGGCTTCCAGAATGT
 GTCCATGTGCTGGATCCGAAGTCCCATGGTACACAGCATCCTGGTCATGGGCTATGGTGGCTTACATCT
 CTGTTCAACCTGGTGGTGTGGCTGGGCTCTGTGGATCTTGTGCAAGGCTTCGGGCACGGGAGAAGGCAC
 TGAGTCCCTGGGCTACCGGGACACTGCCATGGTGTGGGCTCACTGTGCTGCTTGGCACCACCTGGAC
 CCTAGCCTTCTTCTCCTTCGGTGTCTCTGCTGCCTCAGCTTCTCCTTTTACCATCTTCAACTCGCTC
 TATGGTTTCTTCTTCTTCTGTTTCTGCTCACAGAAGCGTTACTCGGATGCCGAAGCCAAGGCAGAGA
 TGGAGGCAGTCACTCTCCAGATGACACACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001145972

Insert Size: 1575 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: [BC145803](#), [AAI45804](#)

RefSeq Size: 1694 bp

RefSeq ORF: 1575 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 (1) encodes the longer isoform (1).