

Product datasheet for **MC228676**

Adrg1 (NM_001198894) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adrg1 (NM_001198894) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adrg1
Synonyms:	Cyt28; Gpr56; TM7LN4; TM7XN1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC228676 representing NM_001198894
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGTCCAGGTGCTGCGGCAGATGGTCTACTTCTACTGAGTCTGTTTTCTCTGGTGAAGGTGCAC
 ACAGTGGCAGCCCCGAGAAGACTTCCGCTTCTGTGGCCAGCGGAACCAGACCCAACAGAGCACCCCTCCA
 CTATGATCAATCTTCAGAGCCTCACATCTTTGTGTGGAACACAGAGGAGACCCTACAATTCGTGCCCC
 TTCCTGGCAGCCCAGATATCCCGCTTCTTCCAGAGCCTAGAGGGCTCTATCACTTCTGCCTCTACT
 GGAGTGCACACTGGGAGACTCCACTTGCCTATGGCAAGCATGACTACCTGCTTAGTAGCCAAGCCTC
 CAGACTCCTCGCTTCCAGAAACAGGAGCAGAGCCTGAAGCAGGGAGCCCCGCTGATCGCCACCTGTGC
 AGCTCCTGGCAGATCCCGAACCAGCCTGCCTGGGCTCCGAGCTTCATCTCTCCTCCACAATG
 CCCCACACAAGGTCTCCACAATGCATCTGTGGACATGTGTGATCTCAAGAAGGAATTGCAGCAGCTTAG
 CAGGTACCTGCAGCACCTCAAAAGGCTGCCAAGCGGCCACCGCAGCGTTCATCAGCCAGCAGTTACAG
 AGCCTGGAGTCAAAGCTGACCTCTGTGAGCTTCCCTGGGAGACACATTATCCTTTGAGGAGACCGGGTCA
 ATGCTACAGTGTGGAAGCTGCCACCCACAGCCGGTCTAGAGGATCTGCATATCCACTCCCAGAAGGAGGA
 GGAGCAGAGTGAGGTCCAGGCATACTCGCTGTTGCTTCCCGGGCCGATTCCAGCAGACCAGAGCCGT
 CGCCGGGATGACGCCAAGAGGCTCCTGGTAGTAGACTTACAGCAGCAAGCTTTGTTCCAGGACAAGAATT
 CTAGCCAAGTCTGGGTGAGAAGGTCTTGGGATTTGTGCGTGCAGAACACCAAAAGTACCAACCTCTCAGA
 TCCGGTGGTACTACCTTCCAGCACCAGCCTCAGCCAAAAATGTGACTCTGCAGTGCCTGTTCTGGGT
 GAAGACCCGGCATCAAGCAGCACAGGGAGCTGGAGCAGTGCAGGCTGCGAGACAGTGAGCAGAGACACAC
 AGACACTCCTGCCTGTGCAACCACCTGACCTACTTTGCAGTGTGATGGTGTCCACAGAGGTAGAAGC
 CACTCACAAACTACCTACGCTCCTGTCTAGTGGGCTGTGTCATCTGCTCTGGCTTGTGCTTTC
 ACTATTGCTGCCTACCTCTGCTCCAGGAGAAAGTACGTGACTACACCATCAAAGTCCACATGAACCTGC
 TGTCCGCTGTCTTCTGCTGGACGTGAGCTTCTGCTCAGCGAGCCTGTGGCACTGACGGCTCCGAAGC
 AGCCTGTCGACACAGTGCATGTTCTGCACTTCTCCCTGCTTGCCTGCCTCTCCTGGATGGGCCTCGAG
 GGCTACAATCTTACCGACTGGTGGTGGAGGTCTTCGGTACCTATGTGCCCGCTATCTGCTCAAGCTGA
 GCATCGTGGGCTGGGTTTTCTGTCTTCTGGTCACTCTGGTGGCGTTGGTGGATGTGAATAACTACGG
 CCCCATTATCCTAGCTGTGCGCCGACTCCGGAACGTGCACCTACCCCTCTATGTGCTGGATCCGGGAC
 TCCCTGGTGGCTATGTACCAACCTGGGCTTTCAGTCTGGTGTTCCTGTTCAACCTGGCTATGTGG
 CCACCATGGTGGTGCAGATCCTGCGGCTTCGCCGCACAGCCAGAACTGGCCCCAGTGTGACCCCTGCT
 GGGCCTCAGCCTGGTCTTGGCCTCCCCTGGGCTTGGTCTTCTTTCTTTGCTTCCGGCACCTCCAG
 CTTGTCATCCTCTACCTTTCAGCATATAACTTCCCTCAAGGCTTCTCATCTTCTGTGGTACTGGT
 CCATGCGGTTCCAGGCCAAGGGCGCCCTCCCCTCTGAAGAACAACCTCAGACAGCGCCAAACTCCCCAT
 CAGCTCCGGCAGCACCTCCTCCAGCCGCAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001198894

Insert Size: 2064 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001198894.1</u> , <u>NP_001185823.1</u>
RefSeq Size:	3605 bp
RefSeq ORF:	2064 bp
Locus ID:	14766
UniProt ID:	<u>Q8K209</u>
Cytogenetics:	8 47.12 cM
Gene Summary:	<p>Receptor involved in cell adhesion and probably in cell-cell interactions. Mediates cell matrix adhesion in developing neurons and hematopoietic stem cells. Receptor for collagen III/COL3A1 in the developing brain and involved in regulation of cortical development, specifically in maintenance of the pial basement membrane integrity and in cortical lamination (PubMed:21768377). Binding to the COL3A1 ligand inhibits neuronal migration and activates the RhoA pathway by coupling to GNA13 and possibly GNA12 (By similarity). Plays a role in the maintenance of hematopoietic stem cells and/or leukemia stem cells in bone marrow niche (PubMed:23478665). Plays a critical role in tumorigenesis (By similarity). Plays essential role in testis development (PubMed:20981830).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.</p>