

Product datasheet for MC229256

Adrg2 (NM_001290445) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adrg2 (NM_001290445) Mouse Untagged Clone
Tag: Tag Free
Symbol: Adrg2
Synonyms: AW212196; B830041D06Rik; Gpr64; Me6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229256 representing NM_001290445
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTTTTCTCTGGTGGGCAGTACAGCCCTGTTGGCAGACCTGAAGAGGTTTTACTGATATACAAGATAT
 TCCTTGTCATCATTTGTTTTGTTTCATGTCATTCTCGTTACATCCCTGAAAGAAAACGGTAATCCAGTTTGT
 ATCACCATCTGATGCTGCTTCAAGAGTTTGTGCGACTTTAAACAAAACAGAAAAATCTAAAATCACTATA
 GTAAAAACCTTCAATGCATCAGGAGTCAAATCCCAGAGAAATATCTGCAATTTGTCATCTCTTTGCAATG
 ACTCAGTATTTTTAGAGGTGAGATAGTGTTCACATGATGAAGACCACAATGTACCAGAATCAAGA
 TACAGCTAATGGCACCTTCGCTGGAGTCTGTCTAAGTGAAGTGAAGCGATCAGAGCTCAACAAAAC
 CTACAGACCTTAAGTGAGACTTACTTTATAGTGTGTGCTACAGCAGAGGCCCAAAGCACGGTAAACTGTA
 CATTACAGTAAAACCAATGAGACCATGAATGTGTGTGCCATGATGGTTACTTTCCAAACTGTACAGAT
 TCGGCCAATGGAACAGTGTCTGTTCCCGGAGGACTCCCTGCCCTTCTCACCAGAAGAGTTAGAAAA
 CTACAGTGTGAAGTGCAGGATCCCATTTGTCTGTCTGATCAACCGCATGGCCACCCTTATCGTCTT
 CCAGCAAGCCTGTTGACCTCAGGCCACCATTATTTCCCATGTTGCTAGTGAATCTCTTTGGCTGAACC
 CCTTGATCATGCCCTTATGACCCCAAGCACACCCTCTCTGACACAAGAAAGTAACCTTCCATCTCCTCAG
 CCTACGATCCCCCTGGCTTCCAGTCTGCCACTGACTTGCCAGTTCAATCTGTAGTGGTCTCTTCTTTGC
 CTCAAAGTATCTTTCCACACCCTGTACCCGGTGCAGTCTCCATTCCTCTCCTACCACACCAGCCCC
 ATCTGTCCCTACAGAAGTGGTACCATCAGCACACCTCCTGGTGAGACAGTTGTCAACACTAGCACTGTT
 TCTGATCTGGAAGCCCAAGTATCCAGATGGAGAAAGCTTTGTCTTTGGGTAGCTTAGAGCCTAATCTTG
 CAGGCGAAATGGTAAACCGAGTCAAGCAACTCCTTCACTCTCCACCTGCCTTGTAGCCCTCTAGCTCA
 AAGTTTGTAAAAGTGGTAGATGCCATTGGCTTACAGCTGAATTTTTATCTACAACATATCAGTCTAACT
 TCACCTTCTTTGGCTCTTGTGTGATCAGAGTGAATGCCAGTAATTTCAATACCAGACTTTTGCAGCCC
 AAGACCCAAACAACTCTCAGGTTTCTCTGGAAACCCACCTCCTGAGAATAGTATTGGTGCCATTACTCT
 GCCCTCATCACTGATGAATAATTTGCCAGCTAATGATGTAGAATTTGGCTTCAAGGATTCAGTTCAATTT
 TTTGAAACACCCGCCCTGTTTCAGGATCCTTCCCTGGAGAACCTCACTCTGATAAGCTATGTCATATCAT



CAAGTGTCAAAACATGACCATCAAGAAGCTTGACAAGAAACGTGACAGTCGCACTGAAACACATCAACCC
 AAGTCCGGATGACTTAACTGTGAAATGTGTATTCTGGACTTGGGCAGAAATGGTGGCAAAGGAGGTTGG
 TCATCTGATGGCTGTTCCGTCAAAGACAAGAGAATGAATGAAACCATCTGTACCTGTAGCCATCTTACAA
 GTTTTGGCATCCTATTGGACCTATCTCGAACATCCTTACCACCAAGTCAAATGATGGCTCTGACATTTAT
 CACGTATATTGGCTGTGGGCTTTCATCAATTTTTCTGTCACTTACTCTTGTAACTACATCGCCTTTGAA
 AAGATCCGGAGGGATTACCCCTCAAAAATCCTCATCCAGCTGTGTGCTGCCCTGCTTCTGCTCAACCTGA
 TCTTCTCCTAGACTCCTGGATTGCGCTGATAAATACCCGAGGTTTCTGCATTGCCGTGGCTGTATTCT
 TCACTATTTTCTTGGTCTATTACATGGATGGGATTAGAAGCATTCCACATGTACCTAGCACTGGTC
 AAGGTGTTAATACTTACATCCGAAAGTACATCCTTAAATTCTGCATTGTTGGCTGGGCATACCAGCTG
 TGGTTGTGTCCATCGTCTGACTATATCCCAGATAACTATGGGATTGGATCCTATGAAAAATCCCCAA
 TGGCACACCAGATGACTTTTGTGGATCAACAGCAATGTGGTGTCTATATCACGTTGTGGGATATTTT
 TGTGTGATATTTCTACTGAACGTGAGCATGTTTCATCGTGGTCTTGGTTCAGCTCTGTGCAATAAAAAGA
 AGAAGCAGCTGGGAGCCAGCGCAAACTAGTATCAAGACCTCAGGAGTATCGTGGCCTCACATTTTT
 ACTGGGAATTACTGGGGCTTTGCCTTCTTTGCCTGGGACCAGTTAATGTCACCTTCATGTATCTCTTT
 GCCATCTTTAACACCTTACAAGGGTTTTTCATATTCATTTTTACTGTGCAGCAAAAGAGAAATGTCAGAA
 AACAGTGGAGGCGGTATCTTTGTTGTGGAAAATTACGGCTGGCTGAAAATCTGACTGGAGTAAACTGC
 TACTAATGGTTTAAAGAAGCAGACTGTAACAAGGAGTATCCAGCTCTTCAAATTCCTTACAGTCAAGC
 TGTAACTCCACTAACTCCACCACACTCCTAGTGAATAGTGATTGCTCAGTGCACGCAAGCGGGAATGGCA
 ATGCATCTACCGAGAGGAATGGGGTTTCTTTCAGTGTTGAGAATGGAGACGTGTGCCCTTCATGATCTCAC
 TGGCAACAGCATATGTTTAGTGACAAAGAGGACTCCTGCAATGGTAAAAGCCGGATAGCGCTCAGAAGG
 ACTTCAAGCGGGGAAGCTTACACTTTATCGAGCAAATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001290445
- Insert Size:** 2982 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:**
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_001290445.1](#), [NP_001277374.1](#)
- RefSeq Size:** 4675 bp

RefSeq ORF: 2982 bp

Locus ID: 237175

UniProt ID: [Q8CJ12](#)

Cytogenetics: X F4

Gene Summary: Orphan receptor. Could be involved in a signal transduction pathway controlling epididymal function and male fertility. May regulate fluid exchange within epididymis.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (5) lacks an alternate in-frame exon, compared to variant 1. The encoded isoform (5) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.