

Product datasheet for **MC229264**

Adgrg2 (NM_001290446) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adgrg2 (NM_001290446) Mouse Untagged Clone
Tag: Tag Free
Symbol: Adgrg2
Synonyms: AW212196; B830041D06Rik; Gpr64; Me6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229264 representing NM_001290446
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTTTTCTCTGGTGGCAGTACAGCCCTGTTGGCAGACCTGAAGAGGTTTTACTGATATACAAGATAT
 TCCTTGCATCATTTGTTTTCATGTCTCTCGTTACATCCCTGAAAGAAAACGGTAATCCAGTTTGT
 ATCACCATCTGTGAATCATCTTGTGCTCCTCATCCCTACTCCAATGATGCTGCTTCAGAAGTTTTG
 TCGACTTTAAACAAAACAGAAAAATCTAAAATCACTATAGTAAAAACCTCAATGCATCAGGAGTCAAAT
 CCCAGAGAAATATCTGCAATTTGTCATCTCTTGAATGACTCAGTATTTTTAGAGGTGAGATAGTGT
 TCAACATGATGAAGACCACAATGTTACCAGAATCAAGATACAGCTAATGGCACCTTCGCTGGAGTCCTG
 TCTCTAAGTGAAGTGAAGCGATCAGAGCTCAACAAAACCTACAGACCTAAGTGAGACTTACTTTATAG
 TGTGTGTACAGCAGAGGCCAAAGCACGGTAACTGTACATTACAGTAAAACCTCAATGAGACCATGAA
 TGTGTGTGCCATGATGGTTACTTTCAAACGTACAGATTCGGCCAATGGAACAGTGCTGCTGTTCCCGG
 AGGACTCCCTGCCCTTCTCACCAGAAGAGTTAGAAAACTACAGTGTGAAGTGCAGGATCCCATTGTCT
 GTCTTGCTGATCAACCGCATGGCCACCCTTATCGTCTTCCAGCAAGCCTGTTGTACCTCAGGCCACCAT
 TATTTCCCATGTTGCTAGTGACTTCTCTTTGGCTGAACCCCTTGATCATGCCCTTATGACCCCAAGCACA
 CCCTCTCTGACACAAGAAAGTAACCTTCCATCTCTCAGCCTACGATCCCCCTGGCTTCCAGTCTGCCA
 CTGACTTGCCAGTTCAATCTGTAGTGGTCTCTTCTTTGCCTCAAACCTGATCTTTCCACACCCTGTCACC
 GGTGCAGTCCCTCCATTCCCTCTCTACCACACCAGCCCCATCTGTCCCTACAGAAGTGGTACCATCAGC
 ACACCTCTGGTGAAGACAGTTGTCAACACTAGCACTGTTTCTGATCTGGAAGCCCAAGTATCCCAGATGG
 AGAAAGCTTTGCTTTGGGTAGCTTAGAGCCTAATCTTGCAAGGCGAAATGGTAAACCGAGTCAGCAAAC
 CCTTCACTCTCCACCTGCCTTGCTAGCCCTCTAGCTCAAAGGTTGCTAAAAGTGGTAGATGCCATTGGC
 TTACAGCTGAATTTTTCATCTACAACATCAGTCTAATTCACCTTCTTTGGCTCTTGCTGTGATCAGAG
 TGAATGCCAGTAATTTCAATACCAGACTTTTGCAGCCCAAGACCAACAATCTCCAGGTTTCTCTGGA
 AACCCACCTCCTGAGAATAGTATTGGTGCCATTACTCTGCCCTCATCACTGATGAATAATTTGCCAGCT
 AATGATGTAGAATTGGCTTCAAGGATTCAGTTCATTTCTTTGAAACACCCGCCCTGTTTCAGGATCCTT



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CCCTGGAGAACCTCACTCTGATAAGCTATGTCATATCATCAAGTGTACAAAACATGACCATCAAGA
 ACTTGACAAGAAACGTGACAGTCGCACTGAAACACATCAACCCAAGTCCGGATGACTTAACTGTGAAATGTGTA
 TTCTGGGACTTGGGCAGAAATGGTGGCAAAGGAGGTTGGTCATCTGATGGCTGTTCCGTCAAAGACAAGA
 GAATGAATGAAACCATCTGTACCTGTAGCCATCTTACAAGTTTTGGCATCTATTGGACCTATCTCGAAC
 ATCCTTACCACCAAGTCAAATGATGGCTCTGACATTTATCACGTATATTGGCTGTGGGCTTTCATCAATT
 TTTCTGTCAGTTACTCTGTAACTACATCGCCTTTGAAAAGATCCGGAGGGATTACCCCTCCAAAATCC
 TCATCCAGCTGTGTGCTGCCCTGCTTCTGCTCAACCTGATCTTCCCTCTAGACTCCTGGATTGCGCTGTA
 TAATACCCGAGGTTTCTGCATTGCCGTGGCTGTATTTCTCACTATTTTCTTTGGTCTCATTACATGG
 ATGGGATTAGAAGCATTCCACATGTACCTAGCACTGGTCAAGGTGTTAATACTTACATCCGAAAGTACA
 TCCTTAAATTCTGCATTGTTGGCTGGGGCATACCAGCTGTGGTTGTGCCATCGCCTGACTATATCCCC
 AGATAACTATGGGATTGGATCCTATGGAAAATCCCAATGGCACACCAGATGACTTTTGTGGATCAAC
 AGCAATGTGGTGTCTATATCACGGTTGTGGGATTTTCTGTGTGATATTCTACTGAACGTCAGCATGT
 TCATCGTGGTCTTGGTTCAGCTCTGTGCAATTAAGAAAGAAGCAGCTGGGAGCCAGCGCAAACTAG
 TATTCAAGACCTCAGGAGTATCGCTGGCCTCACATTTTTACTGGGAATTACTTGGGGCTTGCCTCTTT
 GCCTGGGACCAGTTAATGTCACCTTCATGTATCTCTTTGCCATCTTAAACACCTTACAAGGTTTTTCA
 TATTCATTTTTTACTGTGCAGAAAAGAGAATGTCAGAAAACAGTGGAGGCGGTATCTTTGTTGTGGAAA
 ATTACGGCTGGCTGAAAATTCTGACTGGAGTAAACTGCTACTAATGGTTAAAGAAGCAGACTGTAAC
 CAAGGAGTATCCAGCTCTTCAAATTCCTTACAGTCAAGCTGTAACCTCACTAACTCCACCACACTCCTAG
 TGAATAGTGATTGCTCAGTGCACGCAAGCGGGAATGGCAATGCATCTACCAGAGGAATGGGGTTCTTT
 CAGTGTTCAGAATGGAGACGTGTGCCTTCATGATCTCACTGGCAAACAGCATATGTTTAGTGACAAAGAG
 GACTCTGCAATGGTAAAAGCCGGATAGCGCTCAGAAGGACTTCGAAGCGGGGAAGCTTACACTTTATCG
 AGCAAATGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001290446
- Insert Size:** 3021 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_001290446.1](#), [NP_001277375.1](#)

RefSeq Size: 4714 bp

RefSeq ORF: 3021 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 (6) uses an alternate in-frame splice site, compared to variant 1. The encoded isoform (6) 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.