

Product datasheet for MC223045

Adrg2 (NM_001079857) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adrg2 (NM_001079857) 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: >MC223045 representing NM_001079857
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTTTTCTCTGGTGGCAGTACAGCCCTGTTGGCAGACCTGAAGAGGTTTTACTGATATACAAGATAT
 TCCTTGTCATCATTTGTTTTCATGTCTTCTCGTTACATCCCTGAAAGAAAACGGTAATCCAGTTTGT
 ATCACCATCTGCTGAATCATCTTGTGCTGCTCATCCCTACTCCAATGGTACACCAGATGCTGCTTCA
 GAAGTTTTGTCGACTTTAAACAAAACAGGAGTCAAATCCCAGAGAAATATCTGCAATTTGTCATCTTT
 GCAATGACTCAGTATTTTTAGAGGTGAGATAGTGTTC AACATGATGAAGACCACAATGTTACCCAGAA
 TCAAGATACAGCTAATGGCACCTTCGCTGGAGTCTGTCTCTAAGTGAAGTGAAGCGATCAGAGCTCAAC
 AAAACTCTACAGACCTTAAGTGAGACTTACTTTATAGTGTGTGCTACAGCAGAGGCCAAAAGCACGGTAA
 ACTGTACATTCACAGTAAAACCTCAATGAGACCATGAATGTGTGTGCCATGATGGTTACTTTCAAACCTGT
 ACAGATTCGGCCAATGGAACAGTGTGCTGTTCCTCCGAGGACTCCCTGCCCTTCTCACCAGAAGAGTTA
 GAAAAACTACAGTGTGAAGTGCAGGATCCCATTTGTCTGTCTTGTGATCAACCGCATGGCCACCCGTTAT
 CGTCTTCCAGCAAGCCTGTTGTACCTCAGGCCACCATTATTTCCCATGTTGCTAGTGATCTCTTTGGC
 TGAACCCCTTGATCATGCCCTTATGACCCCAAGCACACCCTCTCTGACACAAGAAAGTAACCTTCCATCT
 CCTCAGCCTACGATCCCCCTGGCTTCCAGTCTGCCACTGACTTGCCAGTTCAATCTGTAGTGGTCTCTT
 CTTTGCCTCAAACCTGATCTTTCCACACCCCTGTACCAGTGCAGTCTCCATTCCCTCTCTACCACACC
 AGCCCCATCTGTCCCTACAGAAGTGGTACCATCAGCACACCTCCTGGTGAAGACAGTTGTCAACACTAGC
 ACTGTTTCTGATCTGGAAGCCCAAGTATCCAGATGGAGAAAGCTTTGTCTTTGGGTAGCTTAGAGCCTA
 ATCTTGACAGGCGAAATGGTAAACCGAGTACGAAACTCCTTCACTCTCCACCTGCCTTGCTAGCCCTCT
 AGCTCAAAGTTGCTAAAAGTGGTAGATGCCATTGGCTTACAGCTGAATTTTTTCATCAACTATCAGT
 CTAACCTCACCTCTTTGGCTCTTGTGTGATCAGAGTGAATGCCAGTAATTTCAATACCACGACTTTTG
 CAGCCCAAGCCCAACAATCTCCAGTTTCTCTGGAAACCCACCTCCTGAGAATAGTATTGGTGCCAT
 TACTCTGCCCTCATCACTGATGAATAATTTGCCAGCTAATGATGTAGAATTGGCTCAAGGATTCAGTTC
 AATTTCTTTGAAACACCCGCCCTGTTTCAGGATCCTTCCCTGGAGAACCTCACTCTGATAAGCTATGTCA



TATCATCAAGTGTCAAAACATGACCATCAAGAACTTGACAAGAAACGTGACAGTCGCACTGAAACACAT
 CAACCAAGTCCGGATGACTTAACTGTGAAATGTGATTCTGGGACTTGGGCAGAAATGGTGGCAAAGGA
 GGTGGTCATCTGATGGCTGTTCCGTCAAAGACAAGAGAATGAATGAAACCATCTGTACCTGTAGCCATC
 TTACAAGTTTTGGCATCCTATTGGACCTATCTCGAACATCCTTACCACCAAGTCAAATGATGGCTGTGAC
 ATTTATACCGTATATTGGCTGTGGGCTTTCATCAATTTTTCTGTCACTTACTCTGTAACTACATCGCC
 TTTGAAAAGATCCGGAGGGATTACCCCTCCAAAATCCTCATCCAGCTGTGTGCTGCCCTGCTTCTGCTCA
 ACCTGATCTTCCCTAGACTCCTGGATTGCGCTGTATAATACCCGAGGTTTCTGCATTGCCGTGGCTGT
 ATTTCTTCACTATTTTCTTGGTCTCATTACATGGATGGGATTAGAAGCATTCCACATGTACCTAGCA
 CTGGTCAAGGTGTTAATACTTACATCCGAAAGTACATCCTTAAATTCTGCATTGTTGGCTGGGCATAC
 CAGCTGTGGTGTGTCCATCGTCTGACTATATCCCCAGATAACTATGGGATTGGATCCTATGGAAAATT
 CCCCATGGCACACCAGATGACTTTTGTGGATCAACAGCAATGTGGTGTCTATATCACGGTTGTGGGA
 TATTTCTGTGTGATTTTCTACTGAACGTGAGCATGTTTCATCGTGGTCTTGGTTCAGCTCTGTGCAATTA
 AAAAGAAGAAGCAGCTGGGAGCCAGCGCAAACTAGTATTCAAGACCTCAGGAGTATCGCTGCCCTCAC
 ATTTTTACTGGGAATTACTTGGGCTTTGCCTTTTGCCTGGGACCAGTTAATGTCACCTTCATGAT
 CTCTTTGCCATCTTAAACACCTTACAAGGGTTTTTCATATTCATTTTTTACTGTGCAGAAAAGAGAATG
 TCAGAAAACAGTGGAGGGGTATCTTTGTTGTGGAAAATTACGGCTGGCTGAAAATTCTGACTGGAGTAA
 AACTGCTACTAATGGTTTAAAGAAGCAGACTGTAACCAAGGAGTATCCAGCTCTCAAATTCCTTACAG
 TCAAGCTGTAACCTCACTAACTCCACCACACTCCTAGTGAATAGTGATTGCTCAGTGCACGCAAGCGGGA
 ATGGCAATGCATCTACCGAGAGGAATGGGGTTTCTTTCAGTGTTCAGAATGGAGACGTGTGCCTTCATGA
 TCTCACTGGCAAACAGCATATGTTTAGTACAAGAGGACTCCTGCAATGGTAAAAGCCGGATAGCGCTC
 AGAAGGACTTCGAAGCGGGGAAGCTTACACTTTATCGAGCAAATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001079857
- Insert Size:** 2988 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_001079857.2](#), [NP_001073326.1](#)
- RefSeq Size:** 4681 bp
- RefSeq ORF:** 2988 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 (2) lacks an alternate in-frame exon, compared to variant 1. The encoded isoform (2) 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.