

Product datasheet for MC223190

Adgrg2 (NM_178712) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adgrg2 (NM_178712) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adgrg2
Synonyms:	AW212196; B830041D06Rik; Gpr64; Me6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223190 representing NM_178712 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTTTCTCTGGTGGGCAGTACAGCCCTGTTGGCAGACCTGAAGAGGTTTTACTGATATACAAGATAT
TCCTTGCATCATTTGTTTTCATGTCTTCGTTACATCCCTGAAAGAAAACGGTAATCCAGTTTGT
ATCACCATCTGCTGAATCATCTCTTGTGAGTCTCATCCCTACTCCAATGGTACACCAGATGCTGCTTCA
GAAGTTTTGTCGACTTTAAACAAAACAGAAAAATCTAAAATCACTATAGTAAAAACCTTCAATGCATCAG
GAGTCAAATCCCAGAGAAATATCTGCAATTTGTCATCTCTTGGCAATGACTCAGTATTTTTAGAGGTGA
GATAGTGTTC AACATGATGAAGACCACAATGTTACCCAGAATCAAGATACAGCTAATGGCACCTTCGCT
GGAGTCTGTCTCTAAGTGAAGTGAAGCGATCAGAGCTCAACAAAACCTCTACAGACCTTAAAGTGAAGT
ACTTTATAGTGTGTGCTACAGCAGAGGCCAAAAGCACGGTAAACTGTACATTCACAGTAAAACCTCAATGA
GACCATGAATGTGTGTCATGATGGTTACTTTCCAAACTGTACAGATTCGGCCAATGGAACAGTGTCTGC
TGTTCCCCGAGGACTCCCTGCCCTTCTCACCAGAAGAGTTAGAAAAACTACAGTGTGAAGTGCAGGATC
CCATTGTCTGTCTGTGATCAACCGCATGGCCACCCTTATCGTCTCCAGCAAGCCTGTTGTACCTCA
GGCCACCATTATTTCCCATGTTGCTAGTGACTTCTCTTTGGCTGAACCCCTTGATCATGCCCTTATGACC
CCAAGCACCCCTCTCTGACACAAGAAAAGTAACTTCCATCTCCTCAGCCTACGATCCCCCTGGCTTCCA
GTCTGCCACTGACTTGCCAGTTCAATCTGTAGTGGTCTCTTCTTTGCCTCAAACCTGATCTTTCCACAC
CCTGTACCCGGTGCAGTCTCCATTCCCTCTCCTACCACACCAGCCCATCTGTCCCTACAGAACTGGTCA
ACCATCAGCACACCTCCTGGTGAAGACAGTTGTCAACACTAGCACTGTTTCTGATCTGGAAGCCCAAGTAT
CCCAGATGGAGAAAGCTTTGTCTTTGGGTAGCTTAGAGCCTAATCTTGACGGCGAAATGGTAAACCGAGT
CAGCAAACCTCCTCACTCTCCACCTGCCTTGTAGCCCTCTAGCTCAAAGGTTGCTAAAAGTGGTAGAT
GCCATTGGCTTACAGCTGAATTTTTCATCTACAACATCAGTCTAACTTACCTTCTTTGGCTCTTGCTG
TGATCAGAGTGAATGCCAGTAATTTCAATACCACGACTTTGCAGCCCAAGCCCAACAAATCTCCAGT
TTCTCTGAAACCCACCTCCTGAGAATAGTATTGGTGCCATTACTCTGCCCTCATCACTGATGAATAAT



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TTGCCAGCTAATGATGTAGAATTGGCTTCAAGGATTCAAGTTCAGTTCAATTTCTTTGAAACACCCGCCCTGTTTC
AGGATCCTTCCCTGGAGAACCTCACTCTGATAAGCTATGTCATATCATCAAGTGTCAAAACATGACCAT
CAAGAAGTGGACAAGAAACGTGACAGTCGCACTGAAACACATCAACCAAGTCCGGATGACTTAACTGTG
AAATGTGTATTCTGGGACTTGGGAGAAATGGTGGCAAAGGAGGTTGGTCATCTGATGGCTGTTCCGGTCA
AAGACAAGAGAATGAATGAAACCATCTGTACCTGTAGCCATCTTACAAGTTTGGCATCCTATTGGACCT
ATCTCGAACATCCTTACCACCAAGTCAAATGATGGCTCTGACATTTATCACGTATATTGGCTGTGGGCTT
TCATCAATTTTTCTGTCAGTTACTCTTGTAACTACATCGCCTTGGAAAGATCCGGAGGGATTACCCCT
CCAAAATCCTCATCCAGCTGTGTGCTGCCCTGCTTCTGCTCAACCTGATCTTCTCCTAGACTCCTGGAT
TGCCTGTATAATACCCGAGTTTCTGCATTGCCGTGGCTGTATTCTTCACTATTTTCTTGGTCTCA
TTCACATGGATGGGATTAGAAGCATTCCACATGTACCTAGCACTGGTCAAGGTGTTTAACTTACATCC
GAAAGTACATCCTTAAATCTGCATTGTTGGCTGGGGCATACCAGCTGTGGTTGTGTCCATCGTCTGAC
TATATCCCGAGATAACTATGGGATTGGATCCTATGGAAAATCCCAATGGCACACCAGATGACTTTTGC
TGGATCAACAGCAATGTGGTGTCTATATCACGGTTGTGGGATATTTCTGTGTGATTTTCTACTGAACG
TCAGCATGTTTCATCGTGGTCTTGGTTCAGCTCTGTGCAATTAAGAAGAAGCAGCTGGGAGCCGACGG
CAAACTAGTATTCAAGACCTCAGGAGTATCGCTGGCCTCACATTTTACTGGGAATTACTTGGGCTTT
GCCTTCTTGCCTGGGGACAGTTAATGTACCTTCATGTATCTTTGCCATCTTTAACACCTTACAAG
GGTTTTTCATATTCATTTTTTACTGTGCAGCAAAAGAGAATGTCAGAAAACAGTGGAGGCGGTATCTTTG
TTGTGGAAAATTACGGCTGGCTGAAAATCTGACTGGAGTAAAACCTGCTACTAATGGTTTAAAGAAGCAG
ACTGTAACCAAGGAGTATCCAGCTCTTCAAATTCCTTACAGTCAAGCTGTAACCTCCACTAACTCCACCA
CACTCCTAGTGAATAGTATTGCTCAGTGCACGCAAGCGGGAATGGCAATGCATCTACCGAGAGGAATGG
GGTTTCTTTCAGTGTTCAGAATGGAGACGTGTGCCTTCATGATCTCACTGGCAAACAGCATATGTTTGTAGT
GACAAAGAGGACTCCTGCAATGGTAAAAGCCGGATAGCGCTCAGAAGGACTTCGAAGCGGGGAAGCTTAC
ACTTTATCGAGCAAATGTA

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ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2096_d06.zip

Restriction Sites: SgfI-MluI

ACCN: NM_178712

Insert Size: 3030 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_178712.3](#), [NP_848827.1](#)

RefSeq Size: 4723 bp

RefSeq ORF: 3030 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 (1) represents the longest transcript and encodes the longest 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.