

Product datasheet for **RN217387**

Adgrg2 (NM_001270872) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adgrg2 (NM_001270872) Rat Untagged Clone
Tag: Tag Free
Symbol: Adgrg2
Synonyms: Gpr64; He6; Re6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN217387 representing NM_001270872
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTTTTCTCTGGGGTTCAGTACAGCCCTGTTGGCAGGCCTGAAGAGGTTTTACTGATATACAAGATAT
TCCTTGTCATCATTTGTTTTTCATGCCATTCTTGTACATCCCTGAAAGATGCTGCTCCGAAGTATTGTC
GACTTTAAACAGAACAGAAAAATCTAAAATCACTATATTAACAACTTCAATGCATCAGGAGTCAAATCC
CAGAGAAATATCTGCAATTTGTCATCTATTTGCAGTGACTCAGTGTTTTTAGAGGTGAGATAGTGTTC
AACATGATGACCACTACAACGTTACTCAGAATCAAGATATAGTTAACAGCACCTTCGCTGGAGTCCCTGTC
TCTAAGCGAACTGAAGCGAACAGAACTCAACAAACTCTACAGACCTTAAGTGAAGTACTTTATAGTG
TGTGCTACCGCAGAGGCCCAAAACACATTAACCTGTACATTCACAGTAAACTGAATGAGACCATGAATG
TGTGTCCATGATGGTTACTTTCAAAGTGTACAGATTCGGCCAATGGAACAGTGTCTGTTCCCCAG
GACTCCCTGCCCTTCTCGCCGGAAGAGTTAGAAAACTACAGTGTGATCTGCAGGATCCCATTTGTCTGC
CTTGCCGATCAACCACATGGCCACCAGTATCTTCTCCAGCAAGCCTGTGCCAGTTGTACCTCAGGCCA
CCATTTTTCCACGTTGCTAGTGACTTCTTTGGCTGAACCCCTTGATCATGCCCTTATGACCTCAAG
CACACCCTCTCTGGCACAAGAGACAGCCTTCCATCTCCTCAGCCTACAATCTCCCTGACTTCCAGTCCCT
GCCATTGACTTGCTGTTCAACATGTAGTGGCTTCTTCTCCTTGCCCAAACTGATCTTTCCACACCC
TATCACCTGTGCAGTCCCTCCATTCCCTCTCCTACCACAGCAGCTCCATCTGTCCCTGAAAAAGTGGTCGC
CATCAGCACACCTCCTGGCGAGACAGTTGTCAACACGAGTAGTGTCTGATCTGGAAGCCCAAGTATCT
CAAATGGAGAAAGCTTTGTCTTTGGCAGCTTGGAACTAATCTTGCGGGTGAATGGTGAACCGAGTCA
GCAAACTCCTTCACTCTCACTTGCTTGTAGCCCTTAGCTCAAAGTGTGCTAAAAGTGGTAGATGC
CATTGGCTTACAGCTGAATTTTCATCTACAACATCAGTCTAATCTCCTTCTTTGGCTTGTCTGTG
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CTCTGGAAGCCAGGCTCCTAAGAATAGTATTGGCGCCATTACTTACCCTCATCGCTGATGAGTAATTT
GCCAGTAGTGAGGTAGAATTGGCTTCGAGGGTTCAGTCAATTTCTTTGAAACCTGCCTATTTTCAG
GACCCCTCCCTGGAGAACCTCTCTGATAAGCTATGTATATCAAGTGTCAAAACATGACCATCA



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AGAACTTGACAAGAAACGTGACAGTTGCACTGAAGCACATCAACCCAAGTCAGGATGACTTAACTGTCAA
ATGTGTTTTCTGGGACTTGAACAGAAATGGTGGCAGAGGAGGTTGGTCATCTGATGGCTGTTCCGTCAAA
GAGAAGAGGATGAACGAAACTATCTGTACCTGTAGCCACCTTACAAGTTTTGGCATCCTATTGGATCTAT
CTCGGACATCCTTACCACCAAGTCAAATGATGGCTCTGACATTTATCACGTATATTGGCTGTGGGCTTTC
ATCAATTTTTCTGTCAGTTACTCTTGTAACTATATAGCCTTTGAAAAGATCCGGAGGGATTACCCCTCC
AAAATCCTCATTCAACTGTGTGCTGCCCTGCTTCTGCTCAACCTGGTCTTCTCTTAGACTCCTGGATTG
CACTGTATAATGCCCGAGGTTTCTGCATCTCCGTGGCTGATTTTCTTCACTATTTTCTCTTGGTATCATT
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AAGTACATCCTTAAATTCTGCATTGTTGGCTGGGGATACCAGCTGTGGTTGTATCCATCGTCTGACTA
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GATCAACAGCAGTGTGGTGTCTATATCACGGTTGTGGGATATTTCTGTGTGATATTTCTACTGAACGTC
AGCATGTTCAATTGTTGTTGTTTCAGCTCTGTGCAATAAAAAGAAGAAGCAACTGGGAGCGCAGCGCA
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TTTTTCATATTCATCTTTTACTGTGCAGAAAAGAGAATGTCAGAAAACAGTGGAGCGGATATCTTTGTT
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TGTAATCAAGGAGTATCCAGCTCTTCAAATTCCTTACAGTCAAGCTGTAACCTCCACTAACTCCACTACA
CTCCTAGTGAATAGTGATTGCTCAGTGCACGCAAGCGGAATGGCAATGCATCTACCGAGAGGAATGGGG
TTTCTTTCAGTGTTCAGAATGGAGACGTGTGCCTTCATGATCTCACTGGGAAACAGCACATGTTTAGTGA
CAAAGAGGACTCCTGCAATGGCAAAGCCGGATGGCACTCAGAAGGACTTCAAAGCGGGGAAGCTTACAC
TTTATCGAGCAAATGTGA
    
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001270872
- Insert Size:** 2958 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_001270872.1](#), [NP_001257801.1](#)
- RefSeq Size:** 4524 bp

RefSeq ORF: 2958 bp

Locus ID: 266735

UniProt ID: [Q8CJ11](#)

Cytogenetics: Xq14

Gene Summary: epididymus specific member of the LNB-TM7 subfamily of seven transmembrane receptors [RGD, Feb 2006]
Transcript Variant: This variant (3) lacks two alternate in-frame exons compared to variant 1. The resulting isoform (3) has the same N- and C-termini but is shorter compared to isoform 1.
Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.