

Product datasheet for RN217401

Adgrg2 (NM_001270871) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adgrg2 (NM_001270871) 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: >RN217401 representing NM_001270871
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTTTCTCTGGGGTCACTACAGCCCTGTTGGCAGGCCTGAAGAGGTTTTACTGATATACAAGATAT
 TCCTTGTCATCATTTGTTTTATGCCATCTTGTACATCCCTGAAAGAAAATGCTGGTAATTCAGTTT
 GTTGTCCACATCTGATGTGCTCCGAAGTATTGTCGACTTTAAACAGAACAGAAAAATCTAAAATCACT
 ATATTAACAACTTCAATGCATCAGGAGTCAAATCCCAGAGAAAATATCTGCAATTTGTCATCTATTGCA
 GTGACTCAGTGTTTTTAGAGGTGAGATAGTGTTC AACATGATGACCACTACAACGTTACTCAGAATCA
 AGATATAGTTAACAGCACCTTCGCTGGAGTCTGTCTCTAAGCGAACTGAAGCGAACAGAACTCAACAAA
 ACTCTACAGACCTTAAGTGAGACTTACTTTATAGTGTGTGCTACCGCAGAGGCCAAAACACATTAACCT
 GTACATTCACAGTAAAAGTGAATGAGACCATGAATGTGTGTGCCATGATGGTTACTTTCAAAGTGTACA
 GATTCGGCCAATGGAACAGTGTCTGTCTCCCCAGGACTCCCTGCCCTTCTCGCCGGAAGAGTTAGAA
 AAACACAGTGTGATCTGCAGGATCCCATTGTCTGCCTTGCCGATCAACCACATGGCCCACAGTATCTT
 CTCCAGCAAGCCTGTGCCAGTTGTACCTCAGGCCACCATTTTTCCACGTTGCTAGTACTTCTCTTT
 GGCTGAACCCCTTGATCATGCCCTTATGACCTCAAGCACACCCTCTCTGGCACAAGAGACACGCCCTTCCA
 TCTCTCAGCCTACAATCTCCCTGACTTCCAGTCTGCCATTGACTTGCCTGTTCAACATGTAGTGGCTT
 CTTCTCCTTGCCCCAACTGATCTTTCCACACCCTATCACCTGTGCAGTCTCCATTCCCTCTCCTAC
 CACAGCAGCTCCATCTGTCCCTGAAAAGTGGTCGCCATCAGCACACCTCTGGCGAGACAGTTGTCAAC
 ACGAGTAGTGTCTGATCTGGAAGCCCAAGTATCTCAAATGGAGAAAGCTTTGTCTTTGGGCAGCTTGG
 AACCTAATCTTGGGGTGAATGGTGAACCGAGTCAGCAAACCTTCACTCTCCACTTGCCTTGTAGC
 CCCTCTAGCTCAAAGTTGCTAAAAGTGGTAGATGCCATTGGCTTACAGCTGAATTTTTATCTACAAC
 ATCAGTCTAACTTCTCTCTTTGGCTTGTCTGTGATCAGAGTGAATGCCAGTAATTTCAATACAACAA
 CCTTTGCAGCCCAAGACCAGCAAATCTCCAGGTGCTCTGGAAGCCAGGCTCCTAAGAATAGTATTGG
 CGCCATTAATCTACCTCATCGCTGATGAGTAATTTGCCAGCTAGTGAGGTAGAATTTGGCTTCGAGGGT
 CAGTTCAATTTCTTTGAAACACCTGCCCTATTTAGGACCCTCCCTGGAGAACCTCTCTGATAAGCT



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ATGTCATATCATCAAGTGTACAAAACATGACCATCAAGAAGCTTGACAAGAAACGTGACAGTTGACTGAA
 GCACATCAACCAAGTCAGGATGACTTAACTGTCAAATGTGTTTTCTGGGACTTGAACAGAAATGGTGGC
 AGAGGAGGTTGGTCATCTGATGGCTGTTCCGTCAAAGAGAAGAGGATGAACGAAACTATCTGTACCTGTA
 GCCACCTTACAAGTTTTGGCATCTATTGGATCTATCTCGGACATCCTTACCACCAAGTCAAATGATGGC
 TCTGACATTTATCAGTATATTGGCTGTGGGCTTTCATCAATTTTTCTGTCACTACTCTGTACCTAT
 ATAGCCTTTGAAAAGATCCGGAGGGATTACCCTTCCAAAATCCTCATTCAACTGTGTGCTGCCCTGCTTC
 GGCTCAACCTGGTCTTCTTCTAGACTCCTGGATTGCACTGTATAATGCCCGAGGTTTCTGCATCTCCGT
 GGCTGTATTTCTCACTATTTCTCTGGTATCATTACATGGATGGGCTTAGAAGCATTTCATATGTAC
 CTAGCACTGGTTAAGGTTTTAATACTTACATCCGAAAGTACATCCTTAAATTCTGCATTGTTGGCTGGG
 GGATACCAGCTGTGGTTGTATCCATCGTCTGACTATATCCCAGATAATTATGGGATTGGATCTTATGG
 GAAATCCCAATGGCACACCAGATGACTTTTGTGGATCAACAGCAGTGTGGTGTCTATATCACGGTT
 GTGGGATATTTCTGTGTGATATTTCTACTGAACGTCAGCATGTTTATTGGTCTTGGTTTCTGCTGTC
 GAATTAAGAAGAAGCAACTGGGAGCGCAGCGCAAACTAGTATTCAAGACCTCCGGAGTATTGCTGG
 CCTCACATTTTACTGGGAATTACTTGGGGCTTGCCTTCTTGCCTGGGGACCAGTTAATCTCACCTTC
 ATGTATCTCTTGGCATCTTAAACACTTACAAGGCTTTTTTCATATTCATCTTTTACTGTGCAGCAAAAG
 AGAATGTCAGAAAACAGTGGAGGCGGTATCTTTGTGTGAAAAATTACGACTGGCTGAAAACCTGACTG
 GAGTAAAACCTGCTACTAATGGTTTAAAGAAGCAGACTGTAATCAAGGAGTATCCAGCTCTTCAAATTC
 TTACAGTCAAGCTGTAACCTCACTAACTCCACTACACTCCTAGTGAATAGTGATTGCTCAGTGCAGCAA
 GCGGGAATGGCAATGCATCTACCGAGAGGAATGGGGTTTCTTTCAGTGTTTCAAGTGGAGACGTGTGCT
 TCATGATCTCACTGGGAAACAGCACATGTTTAGTGACAAAGAGGACTCCTGCAATGGCAAAAGCCGGATG
 GCACTCAGAAGGACTTCAAAGCGGGGAAGCTTACACTTATCGAGCAAATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001270871
- Insert Size:** 2994 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_001270871.1](#), [NP_001257800.1](#)
- RefSeq Size:** 4560 bp

RefSeq ORF: 2994 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 (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) 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.