

Product datasheet for **RR217387**

Adgrg2 (NM_001270872) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adgrg2 (NM_001270872) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Adgrg2
Synonyms: Gpr64; He6; Re6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR217387 representing NM_001270872
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTTTTCTCTGGGGTCACTACAGCCCTGTTGGCAGGCCTGAAGAGGTTTTACTGATATACAAGATAT
TCCTTGTCATCATTTGTTTTCATGCCATTCTTGTACATCCCTGAAAGATGCTGCTCCGAAGTATTGTC
GACTTTAAACAGAACAGAAAAATCTAAAATCACTATATAAAAACCTTCAATGCATCAGGAGTCAAATCC
CAGAGAAATATCTGCAATTTGTCATCTATTTGCAGTGACTCAGTGTTTTTTAGAGGTGAGATAGTGTTC
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TCTAAGCGAACTGAAGCGAACAGAACTCAACAAAATCTACAGACCTTAAGTGAGACTTACTTTATAGTG
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CACACCCTCTCTGGCACAAGAGACAGCCTTCCATCTCCTCAGCCTACAATCTCCCTGACTTCCAGTCT
GCCATTGACTTGCTGTTCAACATGTAGTGGCTTCTTCTCCTTGCCCCAACTGATCTTTCCACACCC
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 AAGTACATCCTTAAATTCTGCATTGTTGGCTGGGGATACCAGCTGTGGTTGTATCCATCGTCTGACTA
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 TGTAATCAAGGAGTATCCAGCTCTTCAAATTCCTTACAGTCAAGCTGTAACCTCCACTAACTCCACTACA
 CTCCTAGTGAATAGTGATTGCTCAGTGCACGCAAGCGGAATGGCAATGCATCTACCGAGAGGAATGGGG
 TTTCTTTCAGTGTTCAGAATGGAGACGTGTGCCTTATGATCTCACTGGGAAACAGCACATGTTTAGTGA
 CAAAGAGGACTCTGCAATGGCAAAAGCCGGATGGCACTCAGAAGGACTTCAAAGCGGGGAAGCTTACAC
 TTTATCGAGCAAATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR217387 representing NM_001270872
 Red=Cloning site Green=Tags(s)

MLFSGGQYSPVGRPEEVLLIYKIFLVIICFHAILVTSLKDAASEVLSTLNRTEKSKITILKTFNASGVKS
 QRNICNLSSICSDSVFFRGEIVFQHDDHYNVTQNDIVNSTFAGVLSLSELKRETELNKTQLSETYFIV
 CATAEAQNTLNCTFTVKLNETMNVCAMMVTFKSVQIRPMEQCCSPRTPCPSSPEELEKLQCDLQDPVIVC
 LADQPHGPPVSSSSKPVVVPQATIFSHVASDFSLAEPDLHALMTSSTPSLAQETRLPSPQPTISLTSSP
 AIDLQVQHVVASSSLPQTDLSHTLSPVQSSIPSPTTAAPSVPEKVVAISTPPGETVVNTSSVPDLEAQVS
 QMEKALSLGSLEPNLAGEMVNRVSKLLHSPLALLAPLAQRLLKVVDIAIGLQNFSSTTISLTSPLALAV
 IRVNASNFNTTFFAAQDPANLQVSLEAQAPKNSIGAITLPSSLMSNLPASEVELASRVQFNFFETPALFQ
 DPSLENLSLISYVISSSVTNMTIKNLTRNVTVALKHINPSQDDLTVKCVFWDLNRNGRGGWSSDGC SVK
 EKRMNETICTCSHLTSGILLDL SRTSLPPSQMMALTFITYIGCLSSI FL SVTLVTYIAFEKIRRDYPS
 KILIQLCAALLLNLFLLDSWIALYNARGFCISVAVFLHYFLLVSFTWMGLEAFHMYLALVKVFNTYIR
 KYILKFCIVGWGIPAVVVSIVLTI SPDNYGIGSYGKFPNGTPDDFCWINSVVFYITVVG YFCVIFLLNV
 SMFIVVLVQLCRIK KKKQLGAQRKTSIQDLRSIAGLTFLLGITWGF AFWGPVNLTFMYLFAIFNTLQG
 FFIFIFYCAAKENVRKQWRRYLCCGKRLAENS DWSKTATNGLKKQTVNQGVSSSSNSLQSSCNSTNSTT
 LLVNSDCSVHASGNNGASTERNGVSVQNGDVCLHDLTGKQHMFS DKEDSCNGKSRMALRRTSKRGLSH
 FIEQM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

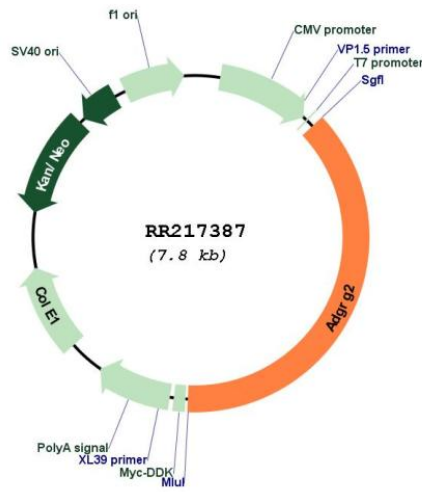
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001270872
 ORF Size: 2955 bp

OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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
MW:	107.9 kDa
Gene Summary:	epididymus specific member of the LNB-TM7 subfamily of seven transmembrane receptors [RGD, Feb 2006]