

Product datasheet for MR231475

Adgrg2 (NM_001290446) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adgrg2 (NM_001290446) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Adgrg2
Synonyms: AW212196; B830041D06Rik; Gpr64; Me6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR231475 representing NM_001290446
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTTTTCTCTGGTGGGCAGTACAGCCCTGTTGGCAGACCTGAAGAGGTTTTACTGATATACAAGATAT
TCCTTGTCATCATTTGTTTTCATGTCTCTCGTTACATCCCTGAAAGAAAACGGTAATCCAGTTTGT
ATCACCATCTGCTGAATCATCTCTGTGTCAGTCTCATCCCCTACTCCAATGATGCTGCTTCAGAAGTTTTG
TCGACTTTAAACAAAACAGAAAAATCTAAAATCACTATAGTAAAAACCTCAATGCATCAGGAGTCAAAT
CCCAGAGAAAATCTGCAATTTGTCATCTCTTGAATGACTCAGTATTTTTAGAGGTGAGATAGTGT
TCAACATGATGAAGACCACAATGTTACCAGAATCAAGATACAGCTAATGGCACCTTCGCTGGAGTCCTG
TCTCTAAGTGAAGTGAAGCGATCAGAGCTCAACAAAACCTACAGACCTAAGTGAGACTTACTTTATAG
TGTGTGTACAGCAGAGGCCAAAGCACGGTAACTGTACATTCACAGTAAAACCTCAATGAGACCATGAA
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TATTTCCCATGTTGCTAGTGACTTCTCTTTGGCTGAACCCCTGATCATGCCCTTATGACCCCAAGCACA
CCCTCTCTGACACAAGAAAGTAACCTTCCATCTCTCAGCCTACGATCCCCCTGGCTTCCAGTCTGCCA
CTGACTTGCCAGTTCAATCTGTAGTGGTCTCTTCTTTGCCTCAAACCTGATCTTTCCACACCCTGTCACC
GGTGCAGTCCCTCCATTCCCTCTCTACCACACCAGCCCCATCTGTCCCTACAGAAGTGGTACCATCAGC
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AGAAAGCTTTGCTTTGGGTAGCTTAGAGCCTAATCTTGCAAGGCGAAATGGTAAACCGAGTCAGCAAAC
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CCCTGGAGAACCTCACTCTGATAAGCTATGTCATATCATCAAGTGTACAAAACATGACCATCAAGA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR231475 representing NM_001290446
 Red=Cloning site Green=Tags(s)

MLFSGGQYSPVGRPEEVLLIYKIFLVIICFHVILVTLKENGNSLLSPSAESSLVSLIPYSNDAASEVL
 STLNKTEKSKITIVKTFNASGVKSQRNICNLSSLCNDSVFFRGEIVFQHDEHNVTONQDANGTFAGVL
 SLSELKRSELNKLQTLSETYFIVCATAEAQSTVNCTFTVKLNETMNVCAMMVFQTVQIRPMEQCCSP
 RTPCPSSPEELEKLQCELQDPIVCLADQPHGPPLSSSSKPVVPQATIISHVASDFSLAEPDLHALMTPST
 PSLTQESNLPSPQPTIPLASSPATDLPVQSVVVSSLPQTDLSHTLSPVQSSIPSPPTTAPASVPTLVIS
 TPPGETVVNTSTVSDLEAQVSQMEKALSLGSEPNLAGEMVNRVSKLLHSPALLAPLAQRLLKVDAIG
 LQLNFSSTTISL TSPSLALAVIRVNASNFNTTFAAQDPTNLQVSLETPPPENSIGAITLPSSLMNLP
 NDVELASRIQFNFFETPALFQDPSLENLTLISYVISSSVTNTIKNLTRNVTVALKHINPSPDDLTVKCV
 FWDLGRNGGKGGWSSDGC SVKDKRMNETICTCSHLTSFGILLDL SRTSLPPSQMMALTFITYIGGLSSI
 FLSVTLVTYIAFEKIRRDPYKILIQLCAALLLNLI FL LDSWIALYNTRGFCIAVAVFLHYFLLVSFTW
 MGLEAFHMYLALVKVFNTYIRKYILKFCIVGWGIPAVVVSIVLTI SPDNYGIGSYGKFPNGTPDDFCWIN
 SNVVFYITVVGYFCVIFLLNVSMFIVVLVQLCRIKQKQLGAQRKTSIQDLRSIAGLTFLLGITWGAFF
 AWGPVNVTFMYLFAIFNTLQGGFFIFIFYCAAENVRKQWRRYLCCGKLR LAENSDWSKTATNGLKKQTVN
 QGVSSSSNSLQSSCNSTNTLLVNSDCSVHASGNNGASTERNGVSF SVQNGDVCLHDLTGKQHMFS DKE
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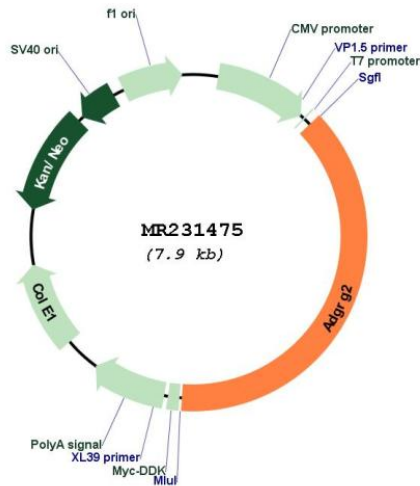
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290446

ORF Size: 3018 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_001290446.1 , NP_001277375.1
RefSeq Size:	4714 bp
RefSeq ORF:	3021 bp
Locus ID:	237175
UniProt ID:	Q8CJ12
Cytogenetics:	X F4
MW:	110.4 kDa
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]