

Product datasheet for **RR214456**

Adgrg1 (NM_152242) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adgrg1 (NM_152242) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adgrg1
Synonyms:	Gpr56
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RR214456 representing NM_152242
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGTCCAGGTGCTACTGCAGATGGTCTACTTCTACTGACTCTGCTCTTTCTGGTGAAGGTGCC
 ATGGTGCCAGCCCCGAGAAGACTTCCGCTTCTGTGGCCAGCGGAACCAGACACGTGAGAGCAACCTCCA
 TTATGATCAAACCTCAGAGCCTCACATTTTTGTATGGAACACAGACGAGAGCCTCACGATCCGTGCCCA
 TTCCCGCAGCCCCAGACATTCCCTACTTCTCCCGAACCTAGAGGACTCTATCATTTCTGCCTACT
 GGAGCCGCCACACTGGGAGGCTCCACCTGCGCTATGGCAAGAATGATTACCTGCTTAGTAGCCGAGCCTC
 CAACCTCTCTGCTACCGGAAACAGGAGGAGAGCCTGAAACAGGGGGCTCCACTGGTTGCCACCTGTGC
 AGCTCCTGGCAGAGCCCACAGAACCAGCCTGCCGGGAGCTCCAAGTTCATCTTCTCCTCCATAATG
 CCCACATAAGGTCTCCACAATGCATCTGTGAACATGTGTGACCTCAAGAAGGAACTGCAGTTGCTTAG
 CAAGTTCTGCAGCATCCTCACAAGCCTCCAAGCGCCCTCGGCAGCGTTCATCAGTCAGCAGTTGCAG
 AACCTAGAGTCAAAGCTGACCTCCGTGAGCTTCTGGGAGACACACTGTCTTTGAGGAGAACCAGGGTCA
 ATGCCACAGTGTGAAGCTGCCACCCACAGCCGGGCTGGAGGATCTGCAATCCACTCCCAGCAGGAGGA
 GGAGCAGAGTGAGGTCCAGGCCTACTCCGTGTTGCTTCCCGGGCCGATTCCAGCAGACCAGAGCCGT
 CGCCGGGATGCCGCAAGAGGCTCCTGGTAGTCGACTTACGACAGCAAGCTTTGTTCCAGGACAAGAATT
 CTAGCCAAGTCTGGGTGAGAAGTCTTGGGTATCGTCGTGCAGAACACCAAAGTCACTAACCTCTCAGA
 TCCCGTGGTACTACCTTCCAGCACCAGCCACAGCCAAAGAACGTGACTCTGCAGTGTGTGTTCTGGGT
 GAAGACCCGACATCAAGCAGCCCTGGGAGCTGGAGCAGTGAGGGCTGTGAGACTGTTAGCAGAGACAC
 AGACATCCTGCTGTGTAACCATCTGACCTACTTTGCAGTGTGATGGTGCATCCATGGAGGTAGAAGC
 CACTCACAAACACTACCTCACGCTCCTGTCTAGTGGGCTGTGTCATCTCTGCCCTAGCTTGTGCTTTC
 ACCATCGCTGCGTACCTGTGCACCAGGAGGAAGTACGTCGACTACACCATCAAAGTGCACATGAACCTGC
 TTCTGGCCGCTTCTCCTGACGCTGAGCTTCTGCTCAGTGAGCCGTTGGCGCTGATGGCTCTGAAGC
 AGCCTGTCGACCAAGTGCATGTTCCCTGCACCTTCCCTGCTTGCCTGCCTCTCCTGGATGGCCTGGAG
 GGCTACAATCTCTACCGACTGGTGGTGGAGGTCTTCGGTACCTATGTCCCTGGCTATCTGCTCAAGCTGA
 GCACCGTGGGCTGGGTTTTCTGTCTTCTGGTCACTCTGGTGGCGTTGGTCGACGTGAATAACTATGG
 CCCCATCATCCTAGCTGTGCGCCGACTCCGGACCATGCATCTACCCCTCTATGTGCTGGATCCGGGAC
 TCTGTAGTTAGCTATGTCACTAACCTGGCCTTTCAGCCTGGTATCCTGTTCAACATGGCTATGCTGG
 CCACCATGGTGGTGCAGATCCTGCGGCTTCGCCACACAGCCAGAAGTGGCCCCACGTGCTGACTTTGCT
 GGGCCTCAGCCTGGTCTTGGCCTTCCCTGGGCCTTGGTCTTCTTTCTTTGCTTCTGGTACCTCCAG
 CTTGTCATCATCTACTTTTAGCATCATGACTTCTTCCAAGGCTTCTCATCTTCTGTGGTACTGGT
 CCATGAGGTTCCAGGCCAAGGCGGTCCCTCTCCTCTGAAGAACAATTCAGACAGCGCAAGCTCCCAT
 CAGCTCCGGCAGCACCTTCCAGCCGCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214456 representing NM_152242
Red=Cloning site Green=Tags(s)

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MAVQVLLQMVFYLLTLLFLVQGAHGASPREDFRFCGQRNQTRQSNLHYDQTSEPHIFVWNTDESLTIRAP
FPAAPDIPYFFPEPRGLYHFCLYWSRHTGRLHLRYGKNDYLLSSRASNLLCYRKQEEESLKQGAPLVATSV
SSWQSPQNTSLPGAPSFIFSFHNAPHKVVSHNASVNMCDLKKELQLLSKFLQHPHKASKRPSAAFISQQLQ
NLESKLTSVSFLGDTLSFEENRVNATVWKLPPTAGLEDLQIHSQQEEEQSEVQAYSVLLPRAVFQQTRGR
RRDAAKRLLVVDVSSQALFQDKNSSQVLGEKVLGI VVQNTKVTNLSDPVVLTFQHQPQPKNVTLQC VFW
EDPTSSSPGWSWSEGCETVSRDTQTSCLCNHLYFAVLMVSSMEVEATHKHYLTLSSYVGCVISALACVF
TIAAYLCTRRKSRDYTIKVMNLLLAVFLLDVSFLLSEPVALMGSEAAACRTSAMFLHFSLLACL S W M G L E
GYNLYRLLVVEVFGTYVPGYLLKLVTVGVGFPVFLVTLVALVDVNNYGP I I L A V R R T P D H V I P S M C W I R D
SVVSYVTNLGLFSLVILFNMAMLATMVVQILRLRPHSQKWPVHLTLLGLSLVGLP WALVFFSFASGTFQ
LVIIYLF SIMT SFQGLIFLWYWSMRFQAQGGPSPLKNNSDSAKLPISSGSTSSSRI
    
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3158_d03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

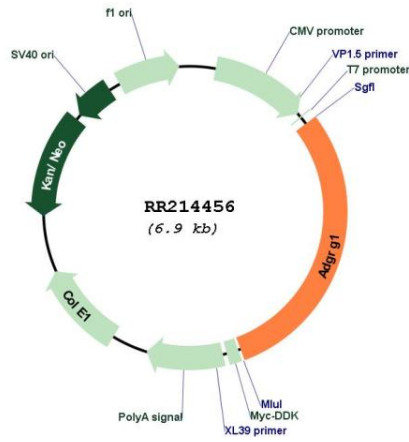


ACCN: NM_152242

ORF Size: 2061 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
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_152242.2 , NP_689448.2
RefSeq Size:	3569 bp
RefSeq ORF:	2064 bp
Locus ID:	260326
Cytogenetics:	19p13
MW:	77.3 kDa
Gene Summary:	may play a role in cell-cell interaction [RGD, Feb 2006]

Product images:



Circular map for RR214456