

Product datasheet for MR220400

Adgrg6 (NM_001002268) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adgrg6 (NM_001002268) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adgrg6
Synonyms:	1190004A11Rik; AI449247; AW045736; DREG; Gm222; Gpr126
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220400 representing NM_001002268 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGTTTGACACTCTCGGAAGAGGTGCTGCCCTTGGAGACTGAAGCCAAGCGCCCTGCTGTTCTGT
TTGTTTTATGTGTACCTGTGTTCTCTCAGTGTGCGGATGTGGCAGCTGCAGACTTGTCTGTCCAA
TCCTTCCGGTACCTTTACGTCTCCGTGTTACCCTAATGACTACCCTAATACCCAGTCTTGTTCTGTGGACC
CTCCGAGCCCTGCCGGTACATCATTAGATAACGTTCAATGACTTCGACATTGAAGAAGTCCCAACT
GTATCTATGACTATTGTCCTCGATAATGGAGAGAGCCAGACAAAATTCTGTGGAGCGACTGCCAAGGG
CCTGTCAATTAACCTCCAGCGTGAATGAGATGCATGTGTCCTTTTCAAGTACTTTAGTATCCAGAAGAAA
GGTTTCAACGCCAGCTACATCAGAGTTGCTGTGTCCTTGAGGAATCAAAAGGTCATTTTGCCCCAGACAT
TAGATGCTTACCAGGTATCAGTTGCAAAAAGCATCTCCATTCTGAACTCAAAGCTTTCACGCTCTGTTT
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GACGTGAACCAGCTGGGTATGTGTAGCGCCTTGGAGGATCCAGACGGCTTTAGTTGGCCAGCCACCTTAC
CCTCTGTCTACAAACAACCATGTCCAAACAAGCCTGGCTTTTTATGACTCGAGCGTGCCTTTCTAATGG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
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Protein Sequence: >MR220400 representing NM_001002268
 Red=Cloning site Green=Tags(s)

MMFDTLGKRCCPWRLKPSALLFLFVLCVTCVPLSVCGCGSCLVLSNPSGTFFTSPCYPNDYPNTQSCSWT
 LRAPAGYIIQITFNDFDIEEAPNCIYDSLSDNGESQTKFCGATAKGLSFNSSVNEMHVSFSDDFSIQKK
 GFNASYIRVAVSLRNQKVIPLQTLDAYQVSVAKSISIPELKAFTLCFEASKVGNEGGDWAFSYSDSLT
 QLLSLEKASNGYFLSISGSRCLLNNALPVKDKEDIFTENLEQLCLVWNNWSGSGIGINFKKNYETVPCDST
 ISAVVPGDGTLLLGSDRDEVASLRGSIYNFRLWNFTMDLKALSNLSCSVSGNVIDWHNDFWSISTQALKA
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 YVYNISFHQKVGEDRMKVKRDIIMDDKRLVWALLVYNATNNVSLNEEKIKQKLMTNNASLEDGLRLCEV
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 ILNQTGDGQNLTSANINSIVEKVKRIVNKEENIDITLGSTLMNIFSNILSSSDSDLESSTEALKTIDEL
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 PICAFWDMNKNKSFGGWNTSGCVAHSDLDAGETICLCSHFTHFGVLMDLPRSASQIDGRNTKVLTFITYI
 GCGISAI FSAATLLTYVA FEKLRRDYP SKILMNLSSALLFLNLIFLLDGWVTSFGVAGLCTAVAALLHFF
 LLATFTWMGLEA IHMYIALVKVFNTYIHR YILKFCIIGWGLPALVVSIIIVSRRQNEVYKGESYKGDQDD
 EFCWIQDPVVFYVSCAGYFGVMFFLNVAMFIVVMVQICGRNGKRSNRTLREEVLRNLRVSVLTFLLGMT
 WGAFFAWGPLNIPFMYLFSIFNSLQGLFIFIFHCAMKENVQKQWRRHLCCGRFRLADNSDWSKATNII
 KKSSDNLGKSLSSSSIGSNSTYLTSKSKSSSTTYFKRNSHSDNFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2423_a01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

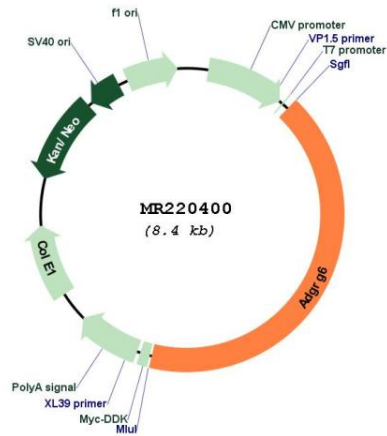


ACCN: NM_001002268

ORF Size: 3498 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_001002268.3 , NP_001002268.1
RefSeq Size:	6505 bp
RefSeq ORF:	3498 bp
Locus ID:	215798
UniProt ID:	Q6F3F9
Cytogenetics:	10 A2
MW:	129.7 kDa
Gene Summary:	G-protein coupled receptor which is activated by type IV collagen, a major constituent of the basement membrane. Essential for normal differentiation of promyelinating Schwann cells and for normal myelination of axons these functions are mediated via G-protein-signaling pathways (PubMed:24227709, PubMed:21613327). Regulates also neural, cardiac and ear development via G-protein- and/or N-terminus-dependent signaling. May act as a receptor for PRNP which may promote myelin homeostasis (PubMed:27501152).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220400