

Product datasheet for **MG222104**

Adgrg2 (NM_001079848) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adgrg2 (NM_001079848) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adgrg2
Synonyms:	AW212196; B830041D06Rik; Gpr64; Me6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG222104 representing NM_001079848
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTTTTCTCTGGTGGGCAGTACAGCCCTGTTGGCAGACCTGAAGAGGTTTTACTGATATACAAGATAT
 TCCTTGTCATCATTGTTTTCATGTCTTCTCGTTACATCCCTGAAAGATGCTGCTTCAGAAGTTTTGTC
 GACTTTAAACAAAACAGAAAATCTAAAATCACTATAGTAAAAACCTTCAATGCATCAGGAGTCAAATCC
 CAGAGAAATATCTGCAATTTGTCATCTCTTTGCAATGACTCAGTATTTTTTAGAGGTGAGATAGTGTTC
 AACATGATGAAGACCACAATGTTACCCAGAATCAAGATACAGCTAATGGCACCTTCGCTGGAGTCTCTGC
 TCTAAGTGAACGAAGCGATCAGAGCTCAACAAACTCTACAGACCTAAGTGAAGTACTTTTATAGTG
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 TGCAGTCTCCATTCCCTCTCCTACCACACCAGCCCCATCTGTCCTACAGAAGTGGTACCATCAGCAC
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 CTCTGCAATGGTAAAAGCCGGATAGCGCTCAGAAGGACTTCAAGCGGGGAAGCTTACACTTTATCGAG
 CAAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG222104 representing NM_001079848
 Red=Cloning site Green=Tags(s)

MLFSGGQYSPVGRPEEVLLIYKIFLVIICFHVILVTSLKDAASEVLSTLNKTEKSKITIVKTFNASGVKS
 QRNICNLSSLNDSVFFRGEIVFQHDEDHNVTONQDTANGTFAGVLSLSELKRSELNKTQLSETYFIV
 CATAEAQSTVNCFTFKLNETMNVCAMMVTFFQTVQIRPMEQCCSPRTPCSSPEELEKLQCELQDPFIVC
 LADQPHGPPLSSSSKPVVPQATIISHVASDFSLAEPDLHALMTPSTPSLTQESNLPSPQPTIPLASSPAT
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 KALSLGSLPENLAGEMVNRVSKLLHSPALLAPLAQRLLKVDAIGLQLNFSSTTISLTSPLALAVIRV
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 LENLTLISYVIVSSVTNMTIKNLTRNVTVALKHINPSPDDLTVKCVFWDLGRNGGKGGWSSDGCYKDKR
 MNETICTCSHLTSFGILLDLRSTSLPPSQMMALTFITYIGGLSSIFLSVTLVTYIAFEKIRRDYPSKIL
 IQLCAALLLNLIFFLLDSWIALYNTRGFCAVAVFLHYFLLVSFTWMGLEAFHMYLALVKVFNTYIRKYI
 LKFCIVGWGIPAVVVSIVLTIISPDNYGIGSYGKFPNGTPDDFCWINSNVFYITVVGYFCVIFLLNVSMF
 IVVLVQLCRIKKKQLGAQRKTSIQDLRSIAGLTFLLGITWGF AFWGPNVTFMYLFAIFNTLQGFFI
 FIFYCAAKENVRKQWRRYLCCGKRLAENDWSKTATNGLKKQTVNQGVSSSSNSLQSSCNSTNTSTLLV
 NSDCSVHASGNGNASTERNGVSFSVQNGDVCLHDLTGKQHMFSKEDSCNGKSRIALRRTSKRGLHFIE
 QM

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

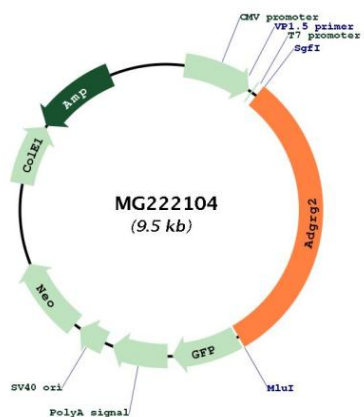


ACCN: NM_001079848

ORF Size: 2946 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_001079848.2 , NP_001073317.1
RefSeq Size:	4646 bp
RefSeq ORF:	2949 bp
Locus ID:	237175
UniProt ID:	Q8CJ12
Cytogenetics:	X F4
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]

Product images:



Circular map for MG222104