

Product datasheet for **RR201726**

Adgrg5 (NM_001107410) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adgrg5 (NM_001107410) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adgrg5
Synonyms:	Gpr114
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR201726 representing NM_001107410
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGATCAACACCAGGCCCTTTCTTCTGCCTGTGCCTTCTGGCTGCTCAAGTTGCTCTAGTAGAAACCC
 TGCCAGAGATACTGAACCTTGATGAAGCGCCTTGAGCGGCCCATAGGCCGGGCCTTGCTCTCCAGAGTGAG
 GTTTATCCACCACCTGGAACAGATGTTGCTCAACGCCAGCTTCCATGGGCACAACCTTGACCTTGACAGCG
 AACTCCATCCAGTCTCTGGTCTTCAAGCTGAGCTGCGGCTTCTGGTCTCTCCCTGTCCAGTGCCACCC
 TGACAAATGTCTCCAGGCGTGGGCCCCACATGCCATGCAGTTTCTGCTGAGCTGACCAAGAACGCCTG
 TGTGACCTCTCGGCTGCTGAGCTCAGACTCATCTGCTCTACTTCTTCACTGCACACCTCTTTCAGGAT
 GACCGGAACCTCTCACTGCTCAATAACTATGCTCTGGGGGCCAGCTGGATCACAGGCCTGTGAACAACC
 TTCAGAGGCCAGTCAACATCAGCTTCTGGCACAATCGGAGTCTGGAAGGGTATACGGTAACCTGTGTCTT
 CTGGAAGGAGGGAGCCGCAAGCACAGCTGGGGCGCCTGGAGCCCAAGGGCTGTACACCGAGCAGCCC
 TCGCCCACTCAGGTTCTCTGCCATTGCAACCACCTCACCTACTTCGCTGTGCTCATGCTCTCTGGAGATC
 CGGTGCCCACTGAGCTGCAGACGCTCTGGAGTACATCTCCCTGGTGGGTTCAGCATCTCCATTGTGGC
 CTCGCTGCTCACCATACTGAATGCCCACTCCAGGAAGCTAAGTGACTCCACCACACGCATCCACCTG
 AACCTGAATGGCTCTGTTCTGCTCCTGAATATCACCTTCTTCTGAGCTCCAGATGGTCCCGCCACAG
 TGCCCAAGTCACTGTCACGGTCTGGCTGCCACCCTACACTACGCGTTGCTCAGCAGCCTTACCTGGAT
 GGGCGTCGAAGGCTTCAACCTCTATCTTCTCTGGGGCGTGTCTACAATGTTTACATCCGCCGTTACTTG
 CTCAAGCTCTGCTGCTGGGCTGGGGGTTTCCAGCCCTCTTGGTGTGCTTCTTCTGATGATCAAGAGCT
 CAGTGTATGGACCATGTGTGATCTTTCTCCAAAAGCCAGGAAAATGGTACCGGCTTCCAGAATGTGTC
 CATGTGCTGGGTACGCAGTCCCATGGTACACAGCATCCTGTTATGGGCTATGGTGGCCTCACATCTCTC
 TTCAACCTGGTGGTGTGGCCTGGGCTCTGTGGATTTTGTGCAGGCTACGGAACGGGAGAAGGCACTGA
 GTCCCTGGGCTGTGGGACATTGTGATGGTGTGGGCTCACTGTGCTACTGGGACCACCTGTCCCT
 GGCTTCTTCTCTTCTGCTGTTCTGCTGCCCAAGTCTTCTCTTCACTCTTCAACTCGCTCTAT
 GGTTTCTTCTCTTCTGTTCTGCTCACAGAAGCGTTACTCGGACGCGGAAGCCAAGGCAGTGATGG
 AGGCAGTCAGCTTCTCCAGATGACACAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201726 representing NM_001107410
 Red=Cloning site Green=Tags(s)

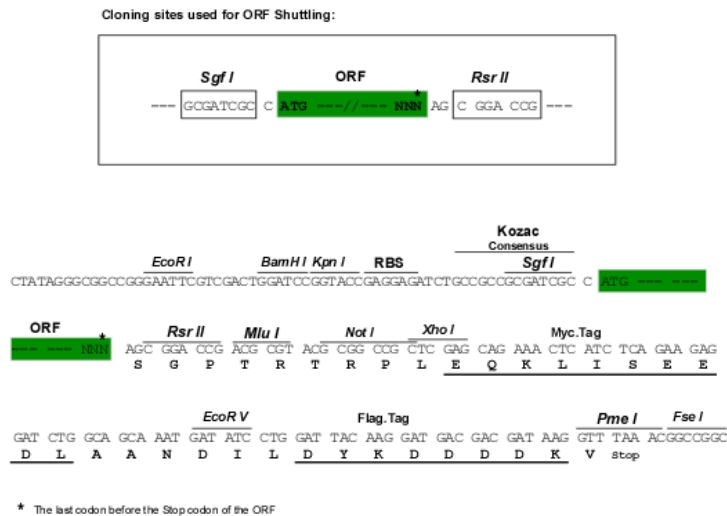
MDQHQAFFCLCLLAAQVVLVETLPEILNLMKRLERPIGRALSSRVRFIHHLEQMLLNASFHGHNLTLQT
 NSIQSLVFKLSCGFPLSLSSATLTNVSQAWAPHAMQFPAELTKNACVTSRPAELRLICVYFFTAHLFQD
 DRNSSLLNNYVLGAQLDHRPVNNLQRPVNISFVHNRSLEGYTVTCVFWKEGAGKHSWGAWSKPGCYTEQP
 SPTQVLCHCNHLYFAVLM LSGDPVPTLQTPLEYISLVGCSISIVASLLTILLNAHSRKLSDSTTRIHL
 NLNGSVLLNITFLLSSQMVPPTVPRSVCTVLAATLHYALLSSLTWMGVEGFNL YLLGRVYNVYIRRYL
 LKLCVLGWGFALLVLLLMIKSSVYGPCVISFSKSEQNGTGFQNVSMCWVRSPMVHSILVMGYGGLTSL
 FNLVVLAWALWILCRLRKREKALSPWACRDIVMVLGLTVLLGTTWSLAFFSFSVFLLPQVFLFTIFNSLY
 GFFLFLWFCSQKRYSDAEAKAVMEAVSFQSMTH

SGPTRTRPLE**QKLI**SEED**LA**AND**ILDYKDDDDKV**

Restriction Sites:

SgfI-RsrII

Cloning Scheme:



ACCN: NM_001107410

ORF Size: 1569 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:

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_001107410.1](#), [NP_001100880.1](#)

RefSeq Size: 2774 bp

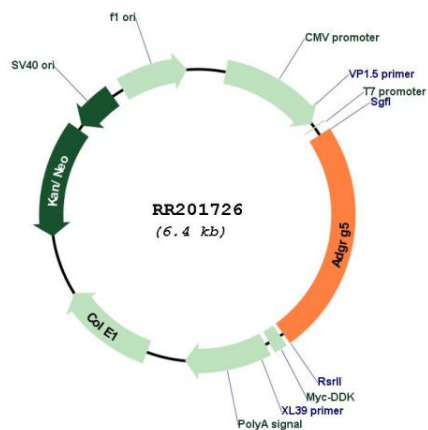
RefSeq ORF: 1572 bp

Locus ID: 307645

Cytogenetics: 19p13

MW: 58.8 kDa

Product images:



Circular map for RR201726