

Product datasheet for **RR217633**

Adgrl2 (NM_001302209) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adgrl2 (NM_001302209) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adgrl2
Synonyms:	Cirl-2; Cirl2; Cl2ac; Lphn2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR217633 representing NM_001302209 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTGTCTTCTGGTTGCAGAATGCGAAGTCTCTGTTTATCATGATAATCAGTTTCTCACGAATACCG
AAGTTTTAGCAGAGCAGCCTTGCCATTCGGGTTAGTTAGACGAGAGCTGCTCTGTGAAGTTATTCTAT
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CTCAAAGGTGCAACAACCGAACACAGTGTGTAGTAGTTACCGGGTCAGATGTATTTCTGATCCATGTCC
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CCTGGAACCCGAAGGGCCCGGATCTTAGCAACTGCACCTCTCACTGGGTGAATCAGCTGGCCCAGAAGAT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217633 representing NM_001302209
 Red=Cloning site Green=Tags(s)

MVSSGCRMRLWFIMIISFSPNTEGFSRAALPFGLVRRELSCEGYSIDLRCPGSDVIMIESANYGRITDDK
 ICDADPFQMENTDCYLPDAFKIMTQRCNNRTQCVVVTGSDVFPDPCPGTYKYLEVQYECVPYMEQKVFVC
 PGTLKAIVDSPSIYEAEQKAGAWCKDPLQAADKIYFMPWTPYRDTLIEYASLEDFQNSRQTTTYKLPNR
 VDGTGFVYVDGAVFFNKERTRNIVKFDLRTRIKSGEAIINYANYHDTSPYRWGGKTDIDLAVDENGWLVI
 YATEQNNGMIVISQLNPYTLRFEATWETTYDKRAASNAFMICGLVYVRSVYQDNESEAGKNVIDYIYNT
 RLSRGEHVDVFPFNQYQYIAAVDYNPRDNQLYVWNNNFILRYSLEFGPPDPAQVPTTAVTITSSAELFKT
 TVSTTSSTSRGPVSSTVAGPQEGSRGKPPPAVSTTKIPPVTNIFPLPERFCEALEMKGIKWPQTRGM
 MVERPCPKGTRGTASYLCMASTGTWNPKGPDLSNCTSHWVNQLAQKIRSGENAASLANELAKHTKGTVFA
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 IQLSANTVKQNSRNLAKVVFIIYRSLGPFLSTENATVKLGADLLGRNSTI AVNSHVL SVSINKESSRVY
 LTDPVLF SMPHIDSDNYFNANCSFWNY SERTMMGYWSTQGCKL VDTNKTRTT CACSHL TNFAILMAHREI
 VYKDGVHKL LLLTVITWVGIVVSLVCLAICIFTF CFFRGLQSDRNTIHKNLCINLFAEFIFLIGIDKTQY
 TIACPVFAGLLHFFFLAAFSWMCLEGVQLYMLVEVFESEYSRKKYVYVAGYLF PATVVGVSAAIDYKSY
 GTLEACWLHVDNYFIWSF IGPVTFIILLNII FLVITLCKMVKHSNTLKPDSRLENIKSWVLGAFALLCL
 LGLTWSFGLL FVNEETVVMAYLFTAFAFQGLFIFIFHCALQKKVRKEYAKCFRHWYCCGGLPTESPHSS
 VKASTSRTSARYSSGTQSRIRRMWNDTVRKQSESSFISGDINSTL NQGMTGN YLLTNPLLRPHGTNNP
 YNTLLAETVVCNAPSAPVFNSPGHSLNNTDRDTSAMDTLPLNGFNNSYSLRKADYHDGVVQVDCGLSLND
 TAFEKMIISELVHNNLRGSNKTHNLELKL PVKPVIGGSSSEDDAIVADASSLMHGDNPGLFRHKELEAP
 LIPQRTHSLLYQPQKKVKPEATDSYVSQLTAEADEHLQSPNRDSL YTSMPNLRDSPYPESSPDMAEDLSP
 SRRSENEDIYYK SMPNLGAGRQLQMCYQISRGNSDGYIIPINKEGCIPEGDVREGQMQLVTSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

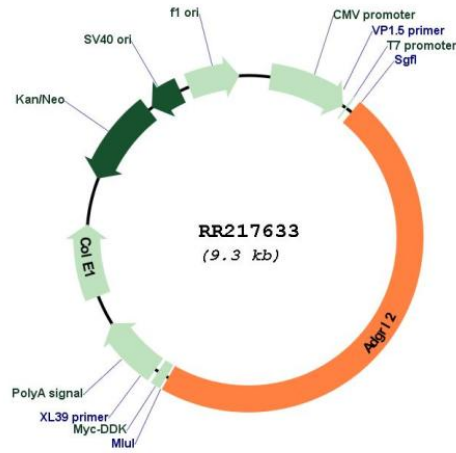
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001302209

ORF Size: 4389 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_001302209.1](#), [NP_001289138.1](#)

RefSeq Size: 6210 bp

RefSeq ORF: 4392 bp

Locus ID: 171447

UniProt ID: [O88923](#)

Cytogenetics: 2q45

MW: 164 kDa

Gene Summary: low affinity G-protein-coupled receptor for alpha-latrotoxin [RGD, Feb 2006]