

Product datasheet for **RR217635**

Adgrl2 (NM_001302208) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adgrl2 (NM_001302208) 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:	>RR217635 representing NM_001302208 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTGTCTTCTGGTTGCAGAATGCGAAGTCTCTGTTTATCATGATAATCAGTTTCTCACGAATACCG
AAGTTTTAGCAGAGCAGCCTTGCCATTCGGGTTAGTTAGACGAGAGCTGCTGTGAAGTTATTCTAT
AGACCTGCGATGTCCGGGCAGTGACGTCATCATGATCGAGAGCGCAAACACTACGGTCGGACGGACGACAAG
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CTCAAAGGTGCAACAACCGAACACAGTGTGTAGTATTACCGGGTCAGATGTATTTCTGATCCATGTCC
TGGAACTTACAAATACCTTGAAGTTCAATATGAATGTGTCCCTTACATGGAGCAAAAAGTTTTGTGTGT
CCTGGAACCTTGAAGCAATTGTGGACTCTCCAAGTATCTATGAAGCTGAGCAAAAAGGCAGGTGCTTGGT
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CCTGGAACCCGAAGGGCCCGGATCTTAGCAACTGCACCTCTCACTGGGTGAATCAGCTGGCCCAGAAGAT
CAGAAGTGGAGAGAATGCTGCAAGTCTGGCCAACGAACTGGTAAAGCACCAAGGGGACGGTGTTCGCT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217635 representing NM_001302208
 Red=Cloning site Green=Tags(s)

MVSSGCRMRLWFIMIISFSPNTEGFSRAALPFGLVRRELSCEGYSIDLRCPGSDVIMIESANYGRITDDK
 ICDADPFQMENTDCYLPDAFKIMTQRCNNRTQC VVVTGSDVFPDPCPGTYKYLEVQYECVPYMEQKVFVC
 PGTLKAI VDSPSIYEAEQKAGAWCKDPLQAADKIYFMPWTPYRDTLIEYASLEDFQNSRQTTTYKLPNR
 VDGTGFVYVDGAVFFNKERTRNIVKFDLRTRIKSGEAIINYANYHDTSPYRWGGKTDIDLAVDENGWVI
 YATEQNNGMIVISQLNPYTLRFEATWETTYDKRAASNAFMICGVLVYVRSVYQDNESEAGKNVIDYIYNT
 RLSRGEHVDVFPFNQYQYIAAVDYNPRDNQLYVWNNNFILRYSLEFGPPDPAQVPTTAVTITSSAELFKT
 TVSTTSSTSRGPVSSTVAGPQEGSRGKPPPAVSTTKIPPVTNIFPLPERFCEALEMKGIKWPQTRGM
 MVERPCPKGTRGTASYLCMASTGTWNPKGPDLSNCTSHWVNQLAQKIRSGENAASLANELAKHTKGTVFA
 GDVSSSVRLMEQLVDILDAQLQELKPSEKDSAGRSYNKLQKREKTCRAYLKAIVDVTVDNLLRAETLDCWK
 HMNSSEQAHTATMLLDTLEEGAFVLADNLLPTRVSMPTDNIVLEAVLSTEGVQVDFTFHLGFKGAFSS
 IQLSANTVKQNSRNLAKVVFIIYRSLGPFLSTENATVKLGADLLGRNSTI AVNSHVLSVSINKESSRVY
 LTDPVLF SMPHIDSDNYFNANCSFWNYERTMMGYWSTQGCKLVD TNKTRTTACSHLTNFAILMAHREI
 VYKDGVHKLLLT VITWVGIVVSLVCLAICIFTF CFFRGLQSDRNTIHKNLCINLFAEFIFLIGIDKTQY
 TIACPVFAGLLHFFFLAAF SWMCLEGVQLYMLVEVFESEYSRKKYVYVAGYLF PATVVGVSAAIDYKSY
 GTLEACWLHVDNYFIWSF IGPVTFIILLNII FLVITLCKMVKHSNTLKPDSRLENINNYRVCDGYNTD
 LPGSWVLGAFALLCLLGLTWSFLLFVNEETVVMAYLFTAFNAFQGLFIFIFHCALQKKVRKEYAKCFRH
 WYCCGGLPTESPHSSVKASTSRTSARYSSGTQSRIRRMWNDTVRKQSESSFISGMTGNLYLLTNPLLRPHG
 TNNPYNTLLAETVVCNAPSAPVFNSPGHSLNNTDRDTSAMD TPLNGNFNNSYSLRKADYHDGVQVVD CGL
 SLNDTAFEKMI ISELVHNNLRGSNKTHNLELKL PVKPVIGGSSSEDDAI VADASSLMHGDNPGLEFRHKE
 LEAPLIPQRTHSLLYQPQKKVKPEATDSYVSQLTAEAD EHLQSPNRDSL YTSMPNLRDSPYESSPDMAE
 LDLSRRSENE DIYYKSMPNLGAGRQLQMCYQISRGNSDGYIIP INKEGCIPEGDVREGQMQLVTSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

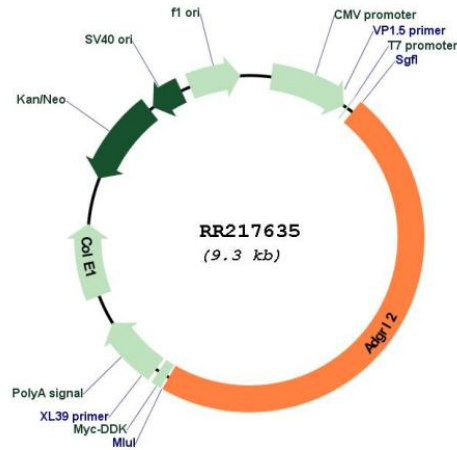
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001302208

ORF Size: 4401 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_001302208.1](#), [NP_001289137.1](#)

RefSeq Size: 6222 bp

RefSeq ORF: 4404 bp

Locus ID: 171447

UniProt ID: [O88923](#)

Cytogenetics: 2q45

MW: 164.5 kDa

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