

Product datasheet for **RN217635**

Adgrl2 (NM_001302208) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adgrl2 (NM_001302208) Rat Untagged Clone
Tag: Tag Free
Symbol: Adgrl2
Synonyms: Cirl-2; Cirl2; Cl2ac; Lphn2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN217635 representing NM_001302208
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGGTGTCTTCTGGTTGCAGAATGCGAAGTCTCTGTTTATCATGATAATCAGTTTCTCACGAATACCG
AAGTTTTAGCAGAGCAGCCTTGCCATTCGGGTTAGTTAGACGAGAGCTGCTGTGAAGTTATTCTAT
AGACCTGCGATGTCCGGCAGTGACGTCATCATGATCGAGAGCGAACTACGGTCGGACGGACGACAAG
ATCTGCGACGCAGACCCCTTTCAGATGGAGAACACAGACTGCTACCTCCCTGATGCCTTCAAATCATGA
CTCAAAGGTGCAACAACCGAACACAGTGTGTAGTATTACCGGGTCAGATGTATTTCTGATCCATGTCC
TGGAACCTACAAATACCTTGAAGTTCAATATGAATGTGTCCTTACATGGAGCAAAAAGTTTTGTGTGT
CCTGGAACCTTGAAGCAATTGTGGACTCTCAAGTATCTATGAAGCTGAGCAAAAAGGCAGGTGCTTGGT
GCAAGGACCCCTTCAAGCTGCAGATAAAATTTATTTATGCCCTGGACTCCCTACCGCACCGATACCTT
AATAGAATATGCTTCTTTAGAAGATTTCAAACAGCCGCCAGACAACAACATACAACTTCAAACCGA
GTGGACGGTACTGGATTTGTGGTGTATGACGGGCAGTCTTCTCAACAAAGAAAGAACGAGAAACATTG
TTAAATTTGACTTGAGGACTAGAATCAAGAGTGGGGAGGCCATAATCAACTACGCCAATACCATGACAC
TTCACCCTACAGATGGGGGGGAAGACTGACATTGACCTGGCAGTGGATGAAAATGGCTTGTGGGTGATC
TACGCCACCGAGCAGAACAACGGAATGATCGTGATTAGCCAGCTCAATCCGTACACTCTCCGATTGGAAG
CAACCTGGGAGACGAGTATGACAAGCGTGCAGCGTCCAATGCTTTCATGATATGCGGGGTCTCTACGT
GGTCAGGTGAGTACCAAGACAATGAAAGCGAAGCTGGCAAGAAGCTCATCGACTACATTTACAACACA
AGGTTGAGCCGGGAGAGCAGTGGACGTTCCCTTCCCAACAGTACCAGTACATCGCTGCAGTGGATT
ACAACCAAGAGACAACCACTCTACGTATGGAACAATACTTTATCTTACGGTATTCTCTGGAGTTTGG
TCCACCCGACCTGCCAAGTGCCTACCACAGCTGTGACAATACTTCTCAGCTGAGCTGTTCAAACCC
ACAGTGTCAACCAAGCAGTACTTACAGAGAGGCCCGTGAGCAGCACAGTGCCTGGTCTCAGGAAG
GAAGCCGAGGGACAAGCCACCTCCAGCAGTCTCTACAACAAAATTCTCCTGTAAACAAATATTTTCC
CCTGCCAGAGAGATTCTGCGAAGCGTTAGAAATGAAGGGGATAAAGTGGCCTCAGACACAAGGGGGATG
ATGTTGAGCGACCGTGTCCAAGGGAACAAGGGAACGGCCTCGTATCTCTGCATGGCTTCCACAGGAA



[View online »](#)

CCTGGAACCCGAAGGGCCCGGATCTTAGCAACTGCACCTCTCACTGGGTGAATCAGCTGGCCCAGAAGAT
 CAGAAGTGGAGAGAATGCTGCAAGTCTGGCCAACGAACTGGTAAAGCACCAAGGGGACGGTGTTCGCT
 GGGGATGTGAGCTCCTCTGTGAGGCTGATGGAACAGTTGGTGGACATCCTGGATGCCAGCTGCAGGAGC
 TGAACCGAGCGAGAAGGACTCGGCCGGGAGGATTATAACAAGCTCCAAAAACGAGAGAAGACATGCAG
 GGCTTACCTTAAGGCCATTGTGGACACAGTAGATAACCTTCTGAGAGCCGAGACTTTGGACTGCTGGAAA
 CACATGAATTCCTCAGAGCAGGCGCACACGCCACCATGCTGTTGGACACCTTGAAGAAGGAGCATTTG
 TCCTGGCAGACAACCTTTTGAACCAACCCGGTCTCAATGCCAACGGATAATATTGTTCTAGAAGTCGC
 TGTCTCAGCACGGAAGGACAGGTCCAAGACTTCACTTCCATCTCGGCTTCAAGGGGGCCTTCAGCTCC
 ATCCAGCTCTCAGCCAACACCGTCAAGCAAAAACAGCAGAAAACGGGCTGGCAAAGTGGTATTTCATCATT
 ACCGGAGTCTGGGACCATTCTGAGCACCGAAAAATGCGACCGTCAAACCTGGGCGCAGACCTCCTGGGTGC
 GAACAGCACCATCGCAGTGAACCTGCACGTCCTTTTCAGTCTCCATCAATAAGGAGTCCAGCCGTGTGAC
 TTGACAGACCCGGTGCTTTTTTCAATGCCACACATTGATTCTGACAATTATTTCAACGAAAACCTGCTCT
 TCTGGAACACTCAGAGAGAACCATGATGGGATATTGGTCTACCCAGGGCTGCAAGCTGGTTGACACTAA
 TAAAACCTGCACGACGTGTGCATGCAGCCACTAACCAATTTTGCTATTCTCATGGCCACAGGGAATT
 GTGTACAAAGATGGCGTCCACAAATTGCTGCTGACAGTCAACCTGGGTGGGCATCGTTGTCTCCCTCG
 TCTGCCTGGCTATCTGCATCTTACCTTCTGCTTCTTCCGAGGCTGCAAAGCGACCCGCAACACGATCCA
 CAAGAACCTGTGTATCAACCTTTCATCGCTGAGTTTATTTTCTAATAGGCATTGATAAAAACAGTAC
 ACGATTGGCTGCCCGTGTGGCAGGACTCCTGCACCTTTTCTTCTGGCTGCTTTTTCTGGATGTGCC
 TAGAAGGTGTGCAGCTCTACCTCATGTTGGTGAAGTTTTTCGAGAGTGAATACTCAAGGAAGAAGTATTA
 CTATGTCGCCGGGTACCTCTTCCCTGCCACAGTGGTGGTGTTCAGCTGCTATCGACTACAAGAGTTAC
 GGGACACTAGAGGCTTGTGGCTTACGTTGATAACTATTTTCATATGGAGTTTCATTGGGCTGTACTT
 TCATCATTCTGCTAAATATTTTTCTGGTGATCAGCTGTGCAAAAATGGTGAACATTCAAACACTTT
 GAAACAGATTCTAGCAGTTGGAAAACATTAATAATTACCGTGTGGTGGATGATACTATAATACGGAC
 TTACCTGGGTCTTGGGTGCTCGGTGCGTTCGCCCTGCTGTGCTCCTGGGCCTAACCTGGTCTTTGGGT
 TGCTTTTTGTAAACGAGGAGACCGTTGTCATGGCTTATCTTCCACCGCCTTAAATGCTTTCCAGGGACT
 GTTTATTTTCATCTTCCACTGTGCTCTTCAAAGAAAAGTACGAAAAGAGTATGCCAAGTGTTCAGACAC
 TGGTACTGCTGTGGTGGCCTCCCGACCGAGAGCCCGCACAGCTCTGTAAGGGCTCCACCTCCCGCACCA
 GTGCTCGTACTCCTCTGGTACACAGAGCCGATAAGAAGGATGTGGAATGACACCGTGAGGAAGCAGTC
 TGAATCGTCTTTATCTCAGGAATGACTGGCAATTACCTACTAACAAACCCTCTTCTCGACCCACGGC
 ACTAACAAACCCCTATAACACATTGCTCGTGAACAGTTGTATGTAATGCCCTTCAGCGCCGTGTTTA
 ACTCACCAGGACATTCAGTGAACAATACCCGGGACACCAGCGCCATGGATCTACTACCGTAAATGGTAA
 CTTCAACAACAGCTACTCCCTGCGCAAGCCGACTACCACGACGGCGTGCAGGTTGTGGACTGTGGACTA
 AGTCTGAACGACACCGCCTTTGAGAAAAATGATCATTTTCAGAGTTAGTGCACAACAACCTCCGGGGTAGCA
 ACAAAAACCCACAACCTGGAGCTCAAGCTCCCGGTTAAACCCGTGATTGGCGGCAGCAGCAGGAAGATGA
 CGCGATCGTGGCCGACGCTCATCTTTGATGCACGGTATAACCCAGGGCTGGAATTCGCCACAAAAGAG
 CTGGAGGCACCGCTCATCCCTCAGCGGACTCACTCGTCTGTACCAACCCAGAAAAAAGTGAACCCG
 AGGCAACCGACAGCTACGTCTCCAGCTGACGGCCGAGGCCGACGACACCTCCAGTCCCCAACAGAGA
 CTCTCTGTACACGAGCATGCCAACCTAAGAGACTCTCCCTACCCGAGAGCAGCCCGGACATGGCAGAG
 GACCTGTCTCCCTCCAGGAGGAGCGAGAACGAGGACATTTACTACAAAAGTATGCCCAATCTTGGGGCTG
 GCCGCCAGCTCCAGATGTGCTACCAGATCAGCAGAGGCAATAGCGATGGCTACATCATCCCCATTAACAA
 AGAAGGGTGCATCCCAGAGGGGGACGTCAGGGAAGGACAGATGCAGCTGGTAACAAGTCTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001302208
Insert Size: 4404 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001302208.1</u> , <u>NP_001289137.1</u>
RefSeq Size:	6222 bp
RefSeq ORF:	4404 bp
Locus ID:	171447
UniProt ID:	<u>O88923</u>
Cytogenetics:	2q45
Gene Summary:	low affinity G-protein-coupled receptor for alpha-latrotoxin [RGD, Feb 2006] Transcript Variant: This variant (3) lacks an in-frame exon and has an alternate splice site in the 3' coding region, compared to variant 1. The resulting isoform (3) is shorter and lacks two internal segments, compared to isoform 1.