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Product datasheet for RN217633

Adgrl2 (NM_001302209) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Adgrl2 (NM_001302209) 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:

>RN217633 representing NM_001302209
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGTCTTCTGGTTGCAGAATGCGAAGTCTCTGGTTTATCATGATAATCAGTTTCTCACCGAATACCG
AAGGTTTCAGCAGAGCAGCCTTGCCATTCGGGTTAGTTAGACGAGAGCTGTCCTGTGAAGGTTATTCTAT
AGACCTGCGATGTCCGGGCAGTGACGTCATCATGATCGAGAGCGCAAACTACGGTCGGACGGACGACAAG
ATCTGCGACGCAGACCCCTTTCAGATGGAGAACACAGACTGCTACCTCCCTGATGCCTTCAAAATCATGA
CTCAAAGGTGCAACAACCGAACACAGTGTGTAGTAGTTACCGGGTCAGATGTATTTCCTGATCCATGTCC
TGGAACTTACAAATACCTTGAAGTTCAATATGAATGTGTCCCTTACATGGAGCAAAAAGTTTTTGTGTGT
CCTGGAACCTTGAAAGCAATTGTGGACTCTCCAAGTATCTATGAAGCTGAGCAAAAGGCAGGTGCTTGGT
GCAAGGACCCCCTTCAGGCTGCAGATAAAATTTATTTTATGCCCTGGACTCCCTACCGCACCGATACCTT
AATAGAATATGCTTCTTTAGAAGATTTTCAAAACAGCCGCCAGACAACAACATACAAACTTCCAAACCGA
GTGGACGGTACTGGATTTGTGGTGTATGACGGGGCAGTCTTCTTCAACAAAGAAAGAACGAGAAACATTG
TTAAATTTGACTTGAGGACTAGAATCAAGAGTGGGGAGGCCATAATCAACTACGCCAACTACCATGACAC
TTCACCCTACAGATGGGGGGGGAAGACTGACATTGACCTGGCAGTGGATGAAAATGGCTTGTGGGTCATC
TACGCCACCGAGCAGAACAACGGAATGATCGTGATTAGCCAGCTCAATCCGTACACTCTCCGATTCGAAG
CAACCTGGGAGACGACGTATGACAAGCGTGCGGCGTCCAATGCTTTCATGATATGCGGGGTCCTCTACGT
GGTCAGGTCAGTGTACCAAGACAATGAAAGCGAAGCTGGCAAGAACGTCATCGACTACATTTACAACACA
AGGTTGAGCCGGGGAGAGCACGTGGACGTTCCCTTCCCCAACCAGTACCAGTACATCGCTGCAGTGGATT
ACAACCCAAGAGACAACCAACTCTACGTATGGAACAATAACTTTATCTTACGGTATTCTCTGGAGTTTGG
TCCACCCGACCCTGCCCAAGTGCCTACCACAGCTGTGACAATAACTTCTTCAGCTGAGCTGTTCAAAACC
ACAGTGTCAACCACAAGCAGTACTTCACAGAGAGGCCCCGTGAGCAGCACAGTCGCTGGTCCTCAGGAAG
GAAGCCGAGGGACAAAGCCACCTCCAGCAGTCTCTACAACCAAAATTCCTCCTGTAACAAATATTTTTCC
CCTGCCAGAGAGATTCTGCGAAGCGTTAGAAATGAAGGGGATAAAGTGGCCTCAGACACAAAGGGGGATG
ATGGTTGAGCGACCGTGTCCCAAGGGAACAAGAGGAACGGCCTCGTATCTCTGCATGGCTTCCACAGGAA

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CCTGGAACCCGAAGGGCCCGGATCTTAGCAACTGCACCTCTCACTGGGTGAATCAGCTGGCCCAGAAGAT
CAGAAGTGGAGAGAATGCTGCAAGTCTGGCCAACGAACTGGCTAAGCACACCAAGGGGACGGTGTTCGCT
GGGGATGTGAGCTCCTCTGTGAGGCTGATGGAACAGTTGGTGGACATCCTGGATGCCCAGCTGCAGGAGC
TGAAACCGAGCGAGAAGGACTCGGCCGGGAGGAGTTATAACAAGCTCCAAAAACGAGAGAAGACATGCAG
GGCTTACCTTAAGGCCATTGTGGACACAGTAGATAACCTTCTGAGAGCCGAGACTTTGGACTGCTGGAAA
CACATGAATTCCTCAGAGCAGGCGCACACAGCCACCATGCTGTTGGACACCTTGGAAGAAGGAGCATTTG
TCCTGGCAGACAACCTTTTGGAACCAACCCGGGTCTCAATGCCAACGGATAATATTGTTCTAGAAGTCGC
TGTCCTCAGCACGGAAGGACAGGTCCAAGACTTCACCTTCCATCTCGGCTTCAAGGGGGCCTTCAGCTCC
ATCCAGCTCTCAGCCAACACCGTCAAGCAAAACAGCAGAAACGGGCTGGCAAAGGTGGTATTCATCATTT
ACCGGAGTCTGGGACCATTCCTGAGCACCGAAAATGCGACCGTCAAACTGGGCGCAGACCTCCTGGGTCG
GAACAGCACCATCGCAGTGAACTCGCACGTCCTTTCAGTCTCCATCAATAAGGAGTCCAGCCGTGTGTAC
TTGACAGACCCGGTGCTTTTTTCAATGCCACACATTGATTCTGACAATTATTTCAACGCAAACTGCTCCT
TCTGGAACTACTCAGAGAGAACCATGATGGGATATTGGTCTACCCAGGGCTGCAAGCTGGTTGACACTAA
TAAAACTCGCACGACGTGTGCATGCAGCCACCTAACCAATTTTGCTATTCTCATGGCCCACAGGGAAATT
GTGTACAAAGATGGCGTCCACAAATTGCTGCTGACAGTCATCACCTGGGTGGGCATCGTTGTCTCCCTCG
TCTGCCTGGCTATCTGCATCTTCACCTTCTGCTTCTTCCGAGGCCTGCAAAGCGACCGCAACACGATCCA
CAAGAACCTGTGTATCAACCTCTTCATCGCTGAGTTTATTTTCCTAATAGGCATTGATAAAACACAGTAC
ACGATTGCGTGCCCCGTGTTTGCAGGACTCCTGCACTTTTTCTTCCTGGCTGCTTTTTCCTGGATGTGCC
TAGAAGGTGTGCAGCTCTACCTCATGTTGGTTGAAGTTTTCGAGAGTGAATACTCAAGGAAGAAGTATTA
CTATGTCGCCGGGTACCTCTTCCCTGCCACAGTGGTCGGTGTTTCAGCTGCTATCGACTACAAGAGTTAC
GGGACACTAGAGGCTTGCTGGCTTCACGTTGATAACTATTTCATATGGAGTTTCATTGGGCCTGTTACTT
TCATCATTCTGCTAAATATTATTTTCCTGGTGATCACGCTGTGCAAAATGGTGAAACATTCAAACACTTT
GAAACCAGATTCTAGCAGGTTGGAAAACATTAAGTCTTGGGTGCTCGGTGCGTTCGCCCTGCTGTGTCTC
CTGGGCCTAACCTGGTCCTTTGGGTTGCTTTTTGTTAACGAGGAGACCGTTGTCATGGCTTATCTCTTCA
CCGCCTTTAATGCTTTCCAGGGACTGTTTATTTTCATCTTCCACTGTGCTCTTCAAAAGAAAGTACGGAA
AGAGTATGCCAAGTGCTTCAGACACTGGTACTGCTGTGGTGGCCTCCCGACCGAGAGCCCGCACAGCTCT
GTAAAGGCGTCCACCTCCCGCACCAGTGCTCGCTACTCCTCTGGTACACAGAGCCGTATAAGAAGGATGT
GGAATGACACCGTGAGGAAGCAGTCTGAATCGTCTTTTATCTCAGGTGACATCAATAGCACTTCTACCCT
TAATCAAGGAATGACTGGCAATTACCTACTAACAAACCCTCTTCTTCGACCCCACGGCACTAACAACCCC
TATAACACATTGCTCGCTGAAACAGTTGTATGTAATGCCCCTTCAGCGCCCGTGTTTAACTCACCAGGAC
ATTCACTGAACAATACCCGGGACACCAGCGCCATGGATACTCTACCGCTAAATGGTAACTTCAACAACAG
CTACTCCCTGCGCAAGGCCGACTACCACGACGGCGTGCAGGTTGTGGACTGTGGACTAAGTCTGAACGAC
ACCGCGTTTGAGAAAATGATCATTTCAGAGTTAGTGCACAACAACCTCCGGGGTAGCAACAAAACCCACA
ACTTGGAGCTCAAGCTCCCGGTTAAACCCGTGATTGGCGGCAGCAGCAGCGAAGATGACGCGATCGTGGC
CGACGCCTCATCTTTGATGCACGGTGATAACCCAGGGCTGGAATTCCGCCACAAAGAGCTGGAGGCACCG
CTCATCCCTCAGCGGACTCACTCGCTTCTGTACCAACCCCAGAAAAAAGTGAAACCCGAGGCAACCGACA
GCTACGTCTCCCAGCTGACGGCCGAGGCCGACGAGCACCTCCAGTCCCCCAACAGAGACTCTCTGTACAC
GAGCATGCCCAACCTAAGAGACTCTCCCTACCCGGAGAGCAGCCCGGACATGGCAGAGGACCTGTCTCCC
TCCAGGAGGAGCGAGAACGAGGACATTTACTACAAAAGTATGCCCAATCTTGGGGCTGGCCGCCAGCTCC
AGATGTGCTACCAGATCAGCAGAGGCAATAGCGATGGCTACATCATCCCCATTAACAAAGAAGGGTGCAT
CCCAGAGGGGGACGTCAGGGAAGGACAGATGCAGCTGGTAACAAGTCTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001302209

Insert Size: 4392 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:	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
Gene Summary:	low affinity G-protein-coupled receptor for alpha-latrotoxin [RGD, Feb 2006] Transcript Variant: This variant (4) lacks two consecutive exons in the 3' coding region, but maintains the reading frame, compared to variant 1. The resulting isoform (4) lacks an internal segment, compared to isoform 1.