

Product datasheet for RN217629

Adgrl2 (NM_001302210) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adgrl2 (NM_001302210) 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:	>RN217629 representing NM_001302210 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGTCTTCTGGTTGCAGAATGCGAAGTCTCTGTTTATCATGATAATCAGTTTCTCACGAATACCG
AAGTTTTAGCAGAGCAGCCTTGCCATTCGGGTTAGTTAGACGAGAGCTGCTGTGAAGTTATTCTAT
AGACCTGCGATGTCCGGGCAGTGACGTCATCATGATCGAGAGCGAAACTACGGTCGGACGGACGACAAG
ATCTGCGACGCAGACCCCTTTCAGATGGAGAACACAGACTGCTACCTCCCTGATGCCTTCAAATCATGA
CTCAAAGGTGCAACAACCGAACACAGTGTGTAGTATTACCGGGTCAGATGTATTTCTGATCCATGTCC
TGGAACTTACAAATACCTTGAAGTTCAATATGAATGTGTCCCTTACATGGAGCAAAAAGTTTTGTGTGT
CCTGGAACCTTGAAGCAATTGTGGACTCTCAAGTATCTATGAAGCTGAGCAAAAAGGCAGGTGCTTGGT
GCAAGGACCCCTTCAGGCTGCAGATAAAATTTATTTTATGCCCTGGACTCCCTACCGCACCGATACCTT
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GTGGACGGTACTGGATTTGTGGTGTATGACGGGCAGTCTTCTCAACAAAGAAAGAACGAGAAACATTG
TTAAATTTGACTTGAGGACTAGAATCAAGAGTGGGGAGGCCATAATCAACTACGCCAATACCATGACAC
TTCACCCTACAGATGGGGGGGAAGACTGACATTGACCTGGCAGTGGATGAAAATGGCTTGTGGGTATC
TACGCCACCGAGCAGAACAACGGAATGATCGTGATTAGCCAGCTCAATCCGTACACTCTCCGATTGGAAG
CAACCTGGGAGACGAGTATGACAAGCGTGCAGCGTCCAATGCTTTCATGATATGCGGGGTCTCTACGT
GGTCAGGTGAGTACCAAGACAATGAAAGCGAAGCTGGCAAGAAGCTCATCGACTACATTTACAACACA
AGGTTGAGCCGGGAGAGCAGTGGACGTTCCCTTCCCAACAGTACCAGTACATCGCTGCAGTGGATT
ACAACCAAGAGACAACCAACTTACGTATGGAACAATAACTTTATCTTACGGTATTCTCTGGAGTTTGG
TCCACCCGACCTGCCAAGTGCCTACCACAGCTGTGACAATAACTTCTCAGCTGAGCTGTTCAAACCC
ACAGTGTCAACCAAGCAGTACTTACAGAGAGGCCCGTGAGCAGCACAGTCGCTGGTCTCAGGAAG
GAAGCCGAGGGACAAAGCCACCTCCAGCAGTCTCTACAACCAAAATTCCTCCTGTAACAAATATTTTCC
CCTGCCAGAGAGATTCTGCGAAGCGTTAGAAATGAAGGGGATAAAGTGGCCTCAGACACAAGGGGGATG
ATGGTTGAGCGACCGTGTCCAAGGGAACAAGGGAACGGCCTCGTATCTCTGCATGGCTTCCACAGGAA



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CCTGGAACCCGAAGGGCCCGGATCTTAGCAACTGCACCTCTCACTGGGTGAATCAGCTGGCCCAGAAGAT
 CAGAAGTGGAGAGAATGCTGCAAGTCTGGCCAACGAACTGGTAAGCACACCAAGGGGACGGTGTTCGCT
 GGGGATGTGAGCTCCTCTGTGAGGCTGATGGAACAGTTGGTGGACATCCTGGATGCCAGCTGCAGGAGC
 TGAACCCGAGCGAGAAGGACTCGGCCGGGAGGATTATAACAAGTCCAAAAACGAGAGAAGACATGCAG
 GGCTTACCTTAAGGCCATTGTGGACACAGTAGATAACCTTCTGAGAGCCGAGACTTTGGACTGCTGGAAA
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 TGTCTCAGCACGGAAGGACAGGTCCAAGACTTCACTTCCATCTCGGCTTCAAGGGGGCCTTCAGCTCC
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 GAACAGCACCATCGCAGTGAACCTGCACGTCCTTTTCAGTCTCCATCAATAAGGAGTCCAGCCGTGTGAC
 TTGACAGACCCGGTGCTTTTTTCAATGCCACACATTGATTCTGACAATATTTCAACGCAAACCTGCTCCT
 TCTGGAACACTCAGAGAGAACCATGATGGGATATTGGTCTACCCAGGGCTGCAAGCTGGTTGACACTAA
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 GTGTACAAAGATGGCGTCCACAAATTGCTGCTGACAGTCAACCTGGGTGGGCATCGTTGTCTCCCTCG
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 CAAGAACCTGTGTATCAACCTTTCATCGCTGAGTTTATTTTCTAATAGGCATTGATAAAAACAGTAC
 ACGATTGCGTGCCCGTGTTCAGGACTCCTGCACCTTTTCTTCTGGCTGCTTTTCTGGATGTGCC
 TAGAAGGTGTGCAGCTCTACCTCATGTTGGTGAAGTTTTTCGAGAGTGAATACTCAAGGAAGAAGTATTA
 CTATGTGCGCCGGTACCTTCCCTGCCACAGTGGTGGTGGTTTCAGCTGCTATCGACTACAAGATTAC
 GGGACACTAGAGGCTTGTGGCTTACGTTGATAACTATTTTCATATGGAGTTTCATTGGGCTGTACTT
 TCATCATTCTGCTAAATATTTTCTGGTGCACGCTGTGCAAAAATGGTGAACATTCAAACACTTT
 GAAACAGATTCTAGCAGGTTGGAAAACATTAAGTCTTGGGTGCTCGGTGCGTTCCGCCCTGCTGTCTC
 CTGGGCCCTAACCTGGTCTTTGGGTTGCTTTTTGTTAACGAGGAGCCGTTGTCATGGCTTATCTCTTCA
 CCGCCTTTAATGCTTTCCAGGACTGTTTATTTTCATCTTCCACTGTGCTCTTCAAAGAAAAGTACGGAA
 AGAGTATGCCAAGTGCTTCCAGACTGGTACTGCTGTGGTGGCCTCCCGACCGAGAGCCCGCACAGCTCT
 GTAAGGCGTCCACCTCCCGCACAGTGTGCTACTCTCTGGTACACAGAGCCGTATAAGAAGGATGT
 GGAATGACACCGTGAGGAAGCAGTCTGAATCGTCTTTTATCTCAGGAATGACTGGCAATTACCTACTAAC
 AAACCCTCTTTCGACCCACGGCACTAACACCCTATAACACATTGCTCGTGAAACAGTTGTATGT
 AATGCCCTTCAGCGCCGTGTTAACTACCAGGACATTCAGTGAACAATACCCGGGACACCAGCGCCA
 TGGATACTCTACCGCTAAATGGTAACTCAACAACAGCTACTCCCTGCGCAAGGCCGACTACCACGACGG
 CGTGCAGTTGTGGACTGTGACTAAGTCTGAACGACACCCGCTTGGAGAAAATGATCATTTTCAGAGTTA
 GTGCACAACAACCTCCGGGTAGCAACAAAACCCACAACCTGGAGCTCAAGCTCCCGGTTAAACCGTGA
 TTGGCGGAGCAGCAGCGAAGATGACGCGATCGTGGCCGACGCCTCATCTTTGATGCACGGTGATAACCC
 AGGGCTGGAAATCCGCCACAAAGAGTGGAGGCCCGCTCATCCCTCAGCGGACTCACTCGCTTCTGTAC
 CAACCCGAGAAAAAGTGAACCCGAGGCAACCGACAGCTACGCTCTCCAGCTGACGGCCGAGGCCGACG
 AGCACCTCCAGTCCCCAACAGAGACTCTGTACACGAGCATGCCAACCTAAGAGACTCTCCCTACCC
 GGAGAGCAGCCCGACATGGCAGAGGACCTGTCTCCCTCAGGAGGAGCGAGAACGAGGACATTTACTAC
 AAAAGTATGCCAATCTTGGGCTGGCCGCGAGCTCCAGATGTGCTACCAGATCAGCAGAGGCAATAGCG
 ATGGCTACATCATCCCATTAACAAAGAAGGGTGCATCCAGAGGGGGACGTGAGGAAGGACAGATGCA
 GCTGGTAACAAGTCTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001302210
Insert Size: 4359 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_001302210.1</u> , <u>NP_001289139.1</u>
RefSeq Size:	6177 bp
RefSeq ORF:	4359 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 (5) lacks two consecutive exons and has an alternate splice site in the 3' coding region, but maintains the reading frame, compared to variant 1. The resulting isoform (5) lacks two internal segments, compared to isoform 1.