

Product datasheet for RN217639

Adgrl2 (NM_001190475) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adgrl2 (NM_001190475) 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:	>RN217639 representing NM_001190475 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTGTCTTCTGGTTGCAGAATGCGAAGTCTCTGTTTATCATGATAATCAGTTTCTCACGAATACCG
AAGTTTTAGCAGAGCAGCCTTGCCATTCGGGTTAGTTAGACGAGAGCTGCTGTGAAGTTATTCTAT
AGACCTGCGATGTCCGGCAGTGACGTCATCATGATCGAGAGCGAAACTACGGTCGGACGGACGACAAG
ATCTGCGACGCAGACCCCTTTCAGATGGAGAACACAGACTGCTACCTCCCTGATGCCTTCAAATCATGA
CTCAAAGGTGCAACAACCGAACACAGTGTGTAGTATTACCGGGTCAGATGTATTTCTGATCCATGTCC
TGGAACTTACAAATACCTTGAAGTTCAATATGAATGTGTCCCTTACATGGAGCAAAAAGTTTTGTGTGT
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CAACCTGGGAGACGAGTATGACAAGCGTGCAGCGTCCAATGCTTTCATGATATGCGGGGTCTCTACGT
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CCTGCCAGAGAGATTCTGCGAAGCGTTAGAAATGAAGGGGATAAAGTGGCCTCAGACACAAGGGGGATG
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CCTGGAACCCGAAGGGCCCGGATCTTAGCAACTGCACCTCTCACTGGGTGAATCAGCTGGCCCAGAAGAT
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 GGGGATGTGAGCTCCTCTGTGAGGCTGATGGAACAGTTGGTGGACATCCTGGATGCCAGCTGCAGGAGC
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 CACATGAATTCTCAGAGCAGGCGCACACGCCACCATGCTGTTGGACACCTTGAAGAAGGAGCATTG
 TCCTGGCAGACAACCTTTTGAACCAACCCGGTCTCAATGCCAACGGATAATATTGTTCTAGAAGTCG
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 CAAGAACCTGTGTATCAACCTTTCATCGCTGAGTTTATTTTCTAATAGGCATTGATAAAAACAGTAC
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 CTATGTGCGCCGGTACCTTCCCTGCCACAGTGGTGGTGTTCAGCTGCTATCGACTACAAGATTAC
 GGGACACTAGAGGCTTGTGGCTTACGTTGATAACTATTTTCATATGGAGTTTCATTGGGCTGTACTT
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 GTGCTCGTACTCCTCTGGTACACAGAGCCGATAAGAAGGATGTGGAATGACACCGTGAGGAAGCAGTC
 TGAATCGTCTTTATCTCAGGTGACATCAATAGCACTTCTACCCTAATCAAGGAATGACTGGCAATTAC
 CTACTAACAAACCCTCTTCTCGACCCACGGCACTAACAAACCCCTATAACACATTGCTCGTGAAACAG
 TTGTATGTAATGCCCTTACGCGCCGTGTTAACTACCAGGACATTCCTGAACAATACCCGGGACAC
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 CACGACGGCTGCAGGTTGTGGACTGTGGACTAAGTCTGAACGACACCGGTTTGAGAAAATGATCATT
 CAGAGTTAGTGACAACAACCTCCGGGGTAGCAACAAAACCCACAACCTGGAGCTCAAGCTCCCGTTAA
 ACCCGTGAATGGCGGCAGCAGCAGCAAGATGACGCGATCGTGGCCGACGCCCTATCTTTGATGCACGGT
 GATAACCCAGGGCTGGAATTCGCCACAAGAGCTGGAGGACCGCTCATCCCTCAGCGGACTCACTCGC
 TTCTGTACCAACCCAGAAAAAGTGAACCCGAGGCAACCGACAGCTACGTCTCCAGCTGACGGCCGA
 GGCCGAGAGCACCTCCAGTCCCCAACAGAGACTCTCTGTACACGAGCATGCCAACCTAAGAGACTCT
 CCCTACCCGAGAGCAGCCCGGACATGGCAGAGGACCTGTCTCCCTCAGGAGGAGCGAGAACGAGGACA
 TTTACTACAAAAGTATGCCCAATCTTGGGCTGGCCGCGCAGCTCCAGATGTGCTACCAGATCAGCAGAGG
 CAATAGCGATGGCTACATCATCCCCATTAAACAAGAAGGGTGCATCCCAGAGGGGACGTCAGGGAAGGA
 CAGATGCAGCTGGTAACAAGTCTTAA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001190475
Insert Size: 4437 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_001190475.2</u> , <u>NP_001177404.2</u>
RefSeq Size:	6255 bp
RefSeq ORF:	4437 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 (2) lacks an in-frame exon in the 3' coding region, compared to variant 1. The resulting isoform (2) is shorter, compared to isoform 1.