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Product datasheet for RR217629

Adgrl2 (NM_001302210) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adgrl2 (NM_001302210) 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:	>RR217629 representing NM_001302210 Red=Cloning site Blue=ORF Green=Tags(s) 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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Protein Sequence:

>RR217629 representing NM_001302210
Red=Cloning site Green=Tags(s)

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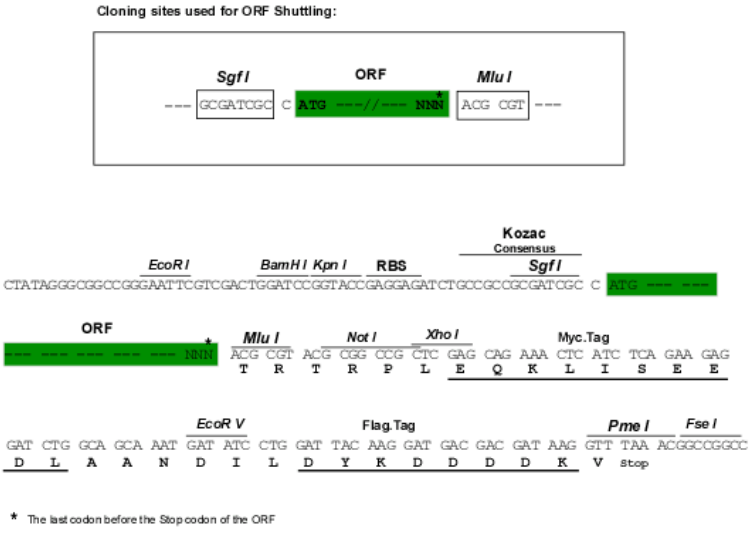
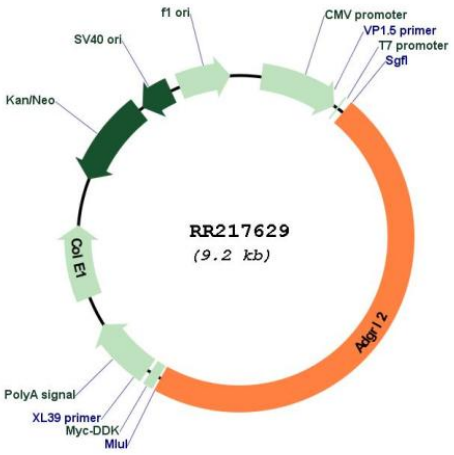
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001302210
ORF Size:	4356 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_001302210.1, NP_001289139.1
RefSeq Size:	6177 bp
RefSeq ORF:	4359 bp
Locus ID:	171447
UniProt ID:	O88923
Cytogenetics:	2q45
MW:	162.8 kDa
Gene Summary:	low affinity G-protein-coupled receptor for alpha-latrotoxin [RGD, Feb 2006]