

Product datasheet for **MC224510**

Adgrl1 (NM_181039) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adgrl1 (NM_181039) Mouse Untagged Clone
Tag: Tag Free
Symbol: Adgrl1
Synonyms: 2900070I05Rik; AI182398; CLIBA; Lec2; Lphn1; mKIAA0821
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224510 representing NM_181039
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCCGCTTGGCTGCAGCACTCTGGAGTCTCTGTGTGACGACTGTCTTGTACCTCTGCCACCCAAG
 GCCTGAGCCGGGCTGGGCTCCCATTGGGTTGATGCGCCGGGAGCTAGCATGTGAGGGCTACCCATCGA
 GCTGCGGTGCCGGGAGTGATGTCATCATGGTGGAGAATGCAAACACGGGCGCACAGATGACAAGATC
 TGCATGCCGACCCCTTCCAGATGGAGAATGTGCAAGTGTACTTGCCTGACGCCTTCAAATCATGTCC
 AGAGGTGTAATAACCGAACCCAGTGTGTGGTGGTGGCCGGCTCTGACGCCTTTCCTGACCCCTGTCTGG
 AACCTACAAATACCTGGAGGTGCAGTACGACTGTGTCCCTTACATCTTCGTGTGCCAGGGACCCCTGCAG
 AAGGTGCTGGAGCCACCTCTACACATGAGTCAGAGCATCAGTCTGGTGCATGGTGAAGGACCCGCTGC
 AGGCAGGTGACCGTATCTACGTTATGCCCTGGATCCCCTACCGCACGGACACATTGACTGAATATGCCTC
 ATGGGAGGACTATGTAGCCGCACGCCACACCACCGTACAGACTGCCAACCGTGTAGATGGCACTGGC
 TTTGTGGTCTACGATGGCGCAGTCTTCTACAACAAGGAGCGCACTCGCAACATTGTCAAATATGACCTGC
 GGACCCGCATCAAGAGCGGGGAAACTGTCATAAACACAGCCAACCTACCAGTACCTCACCTTACCCTG
 GGGAGGTAAAACCGACATTGACCTGGCAGTAGATGAGAACGGACTGTGGGTGATCTATGCAACTGAGGGC
 AACAAATGGGCGCTTGGTGGTAAGCCAGCTCAACCCTACACGTTGCGTTTTGAGGGCACTTGGGAAACAG
 GCTATGACAAGCGCTCGGCCTCCAATGCCTTATGGTGTGCGGCTCCTCTATGTGCTGCGTTCTGTCTA
 TGTGGACGATGATAGCGAGGCGCAGGCAACCGCTGGACTATGCCTTCAACACCAATGCGAACCGTGGAG
 GAGCCCGTCACTGCGCTTCCCAACCCCTACCAGTTCGTATCTTCTGTTGACTACAACCCCGGGACA
 ACCAGCTCTATGTATGGAACAACACTTTGTTGTGCGCTATAGCCTGGAGTTGGACCCCGAGTCCAG
 TGCTGGCCAGCCACTTCCCGCCTCTCAGTACCACCACACAGCCCGGCCACACCCCTACCAGCACA
 GCCTCGCCTGCAGCCACCACTCCACTCCGCGGGCACCCCTACCACACACCCAGTGGGTGCCATCAACC
 AGCTGGGACCTGACCTGCCTCCAGCCACAGCTCCAGCACCCAGTACCCGAAGGCCTCCAGCCCCAATCT
 GCATGTGTCCCCTGAGCTCTTCTGTGAACCCAGAGAGGTCCGGCGGGTCCAGTGGCCAGCTACCCAAACAG
 GGTATGCTGGTGGAGAGACCTTGCCCAAGGAACTCGAGGAATTGCCTCATTCCAGTGCCTCCAGCTC



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TGGGGCTCTGGAATCCTCGGGGCCCTGACCTCAGCAACTGCACTTCTCCCTGGGTCAACCAAGTAGCCCA
 GAAGATCAAGAGTGGAGAGAATGCGGCCAACATTGCCAGTGAGCTGGCCCGCCACACACGGGGCTCTATC
 TATGCTGGGGACGTGTCTCCTCAGTGAAGCTGATGGAACAACCTGCTAGATATCCTGGATGCCAGCTCC
 AGGCCCTACGGCCATTGAACGAGAGTCAAGCCGCAAGAACTACAATAAGATGCACAAGCGAGAGAGAAC
 CTGCAAGGACTACATCAAGGCTGTGGTGGAGACAGTGGATAACCTGCTTCGGCCGGAGGCGCTTGAGTCA
 TGGAAAGACATGAATGCCACCGAACAGGTTACATACAGCCACCATTGCTTCTAGATGCTCTGGAGGAGGGTG
 CCTTCTGCTGGCTGACAATGTGAGAGAACCTGCTCGCTTCTTGGCTGCCAAGCAGAACGTCCTGGA
 GGTAACGTGCTGAACACGGAGGGCCAAGTGCAGGAGTTGGTGTCCCCCAAGAGTATCCCAAGTGAAGAAC
 TCCATTACAGTCTCCGCCAACACCATCAAGCAGAACAGCCGCAACGGTGTGGTGAAGATTGTCTTATTCT
 TCTACAACAACCTGGGCCTTTCTTGTCCACGGAGAATGCCACAGTGAAGCTGGCAGGTGAGGCAGGGAC
 AGGTGGCCCTGGAGGTGCCTCCCTGGTGGTCAACTCACAGGTGATCGCAGCATCTATCAATAAGGAGTCT
 AGCCGCGTCTTCTCATGGACCCTGTCTTTACTGTAGCCCACTTGGAGGCCAAGAACCATTCAATG
 CAAACTGCTCCTTCTGGAATACTCAGAGCGCTCCATGCTGGGCTACTGGTCAACCCAGGGCTGCCGATT
 GGTGGAGTCCAATAAGACCCATACCACATGTGCCTGCAGCCACCTCACCAACTTCGCAGTGTCTATGGCT
 CACCGAGAGATCTACCAAGGCCGTTAATGAGCTGCTGTGTCAGTATCACCTGGGTTGGTATTGTCA
 TCTCCCTGGTCTGCTGGCTATCTGCATCTCCACCTTCTGCTTCTGCGGGGCTTGACAGCTGACCGCAA
 CACCATCCACAAGAATCTGTGCATCAACCTTCTCTTGGCGAGCTGCTTCTCTGGTTGGATAGATAAAA
 ACTCAGTATGAGGTGCCTGCCCTATCTTGGGGACTGCTGCACTACTTCTTCTGGCCGCTTCTCTCT
 GGCTGTGCCTGGAGGGCGTGCACCTCTACCTGTTGCTGGTGGAGGTGTTCCGAGAGCGAGTATTCACGCAC
 CAAGTACTATTACCTAGGTGGCTACTGCTTCCCAGCCCTGGTGGTCCGCATCGCAGCAGCCATTGACTAC
 CGAAGCTACGGCACTGAAAAGGCCTGCTGGCTGAGGGTGGATAACTACTTCACTGAGCTTCAATGGGC
 CCGTCTCGTTTGTCAATGTTGGTGAACCTGGTGTTCCTCATGGTGACCCTGCACAAGATGATCCGAAGCTC
 ATCAGTGTCAAGCCTGACTCTAGTGCCTTGACAACATCAAGTCTGGGCGCTGGTGCATTGCACTG
 CTCTTCTGCTGGGCTCACCTGGGCTTTCGGCCCTCCTTTCATCAACAAGAGTCAAGTGTGATGCTGGCCT
 ATCTCTCACTACCTTCAACGCCTTCCAGGGGCTTTCATCTTTGCTTTCACTGCGCCTTACAGAAAAA
 GGTGCACAAGGAGTACAGCAAGTGCCTGCGTCACTCCTACTGCTGCATCCGCTCCCCACCTGGGGGCACT
 CACGGCTCCCTTAAGACCTCAGCCATGCGAAGTAAACCCCGATACTACACAGGGACCCAGAGCCGAATCC
 GGAGGATGTGGAATGACACCGTGAAGGAGCAGACAGAGTCTCCTTTATGGCAGGTGACATCAACAGCAC
 CCCCACCTGAACCGAGGTACCATGGGGAACCACCTACTGACCAACCCCGTGTACAGCCTCGTGGGGGC
 ACTAGCCCATACAATACTCATTGCAGAGTCCGTGGGCTTCAATCCCTCCTCGCCCCAGTCTTCAACT
 CCCCAGGAAGCTACAGGGAACCAAGCACCCCTTGGGAGGCCGGGAAGCCTGTGGCATGGACACCCTGCC
 ACTTAACGGCAACTTCAACAACAGTACTCCTTGCAGAGCGGTGATTTCCCTCCAGGGGATGGGGGTCCC
 GAGCCACCCCGAGGCCGGAACCTGGCAGATGCTGCCGCCTTTGAGAAGATGATCATCTCAGAGCTGGTGC
 ACAACAACCTGCGAGGGGCCAGTGGGGGTGCCAAGGGCCTCCACCAGAGCCACCTGTGCCACCTGTGCC
 AGGGGTGAGTGAAGGACGAGGCGGTGGACCAGGGAGTGTGACCGGGCAGAGATTGAACTTCTCTACAAG
 GCCCTGGAGGAGCCGCTGCTGCTGCCCGGGCCAGTCCGTGCTGTACCAGAGTGTCTGGATGAGTCGG
 AGAGCTGTACGGCAGAGGATGGGGCCACCAGCCGGCCCTCTCCTCCCTCCCGCCGGGACTCCCTCTA
 TGCCAGCGGGGCCAACCTGCGGGACTCGCCCTCTACCCGGACAGCAGCCCGAAGGGCCATAGAGGCC
 CTGCCCCGCCCCACCTGCTCCCCCTGGGCCCCAGAAATCTACTACACCTCTCGCCCGCCGGCCCTGG
 TGGCTCGGAATCCCTACAGGGCTACTACCAGGTGCGGGCCAGCCATGAAGGTACCTGGCAGCCCC
 CAGCCTCGAGGGGCCAGGGCCGATGGGGACGGGCAAATGCAGTTGGTCACTAGTCTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_181039
Insert Size: 4401 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).
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_181039.2, NP_851382.2</u>
RefSeq Size:	8202 bp
RefSeq ORF:	4401 bp
Locus ID:	330814
UniProt ID:	<u>Q80TR1</u>
Cytogenetics:	8 C2
Gene Summary:	Calcium-independent receptor of high affinity for alpha-latrotoxin, an excitatory neurotoxin present in black widow spider venom which triggers massive exocytosis from neurons and neuroendocrine cells. Receptor for TENM2 that mediates heterophilic synaptic cell-cell contact and postsynaptic specialization. Receptor probably implicated in the regulation of exocytosis (By similarity).[UniProtKB/Swiss-Prot Function]