

## 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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224510 representing NM_181039 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCGCTGGCTGCAGCACTCTGGAGTCTCTGTGTGACGACTGTCCTTGTCACCTCTGCCACCCAAG  
GCCTGAGCCGGGCTGGGCTCCCATTTGGGTTGATGCGCCGGGAGCTAGCATGTGAGGGCTACCCATCGA  
GCTGCGGTGCCCGGGGAGTGATGTCATCATGGTGGAGAATGCAAACACGGGCGCACAGATGACAAGATC  
TGCGATGCCGACCCTTCCAGATGGAGAATGTGCAGTGTACTTGCTGACGCCTTCAAATCATGTCAC  
AGAGGTGAATAACCGAACCCAGTGTGTGGTGGTGGCCGGCTCTGACGCCTTTCCTGACCCCTGTCTGG  
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AAGGTGCTGGAGCCCACCTCTACACATGAGTCAGAGCATCAGTCTGGTGCATGGTGAAGGACCCGCTGC  
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ATGGGAGGACTATGTAGCCGCACGCCACACCACCGTACAGACTGCCCAACCGTGTAGATGGCACTGGC  
TTTGTGGTCTACGATGGCGCAGTCTTCTACAACAAGGAGCGCACTCGCAACATTGCAAATATGACCTGC  
GGACCCGCATCAAGAGCGGGGAACTGTCATAAACACAGCCAACCTACCAGATACCTCACCTTACCGCTG  
GGGAGGTAAAACCGACATTGACCTGGCAGTAGATGAGAACGGACTGTGGGTATCTATGCAACTGAGGGC  
ACAATGGGCGCTTGGTGGTAAGCCAGTCAACCCCTACAGTTGCGTTTTGAGGGCACTTGGGAACAG  
GCTATGACAAGCGCTCGGCCTCAATGCCTTCATGGTGTGCGGCTCCTCTATGTGCTGCGTTCTGTCTA  
TGTGGACGATGATAGCGAGGCCGAGGCAACCGCTGGACTATGCCTTCAACACCAATGCGAACCGTGAG  
GAGCCCGTCACTGCGCTTCCCCAACCCCTACCAGTTCGTATCTTCTGTTGACTACAACCCCGGGACA  
ACCAGCTCTATGTATGGAACAACACTTTGTTGTGCGCTATAGCCTGGAGTTTGGACCCCGAGATCCAG  
TGCTGGCCAGCCACTTCCCCGCTCTCAGTACCACCACACAGCCCGGCCACACCCCTCACCAGCACA  
GCCTCGCTGCAGCCACCACTCCACTCCGCCGGGACCCCTCACCACACACCCAGTGGGTGCCATCAACC  
AGCTGGGACCTGACCTGCCTCCAGCCACAGCTCCAGCACCCAGTACCCGAAGGCTCCAGCCCCAATCT  
GCATGTGTCCCTGAGCTCTTGTGAACCCAGAGAGTCCGGCGGGTCCAGTGCCAGCTACCCAACAG



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GGTATGCTGGTGGAGAGACCTTGCCCCAAGGGAACCTCGAGGAATTGCCTCATTCCAGTGCCTCCCAGCTC  
 TGGGGCTCTGGAATCCTCGGGCCCTGACCTCAGCAACTGCACTTCTCCCTGGGTCAACCAAGTAGCCCA  
 GAAGATCAAGAGTGGAGAGAATGCGGCCAACATTGCCAGTGAAGCTGGCCCCCACACACGGGGCTCTATC  
 TATGCTGGGGACGTGTCTCCTCAGTGAAGCTGATGGAACAACCTGCTAGATATCCTGGATGCCAGCTCC  
 AGGCCCTACGGCCATTGAACGAGAGTCAGCCGGCAAGAACTACAATAAGATGCACAAGCGAGAGAGAAC  
 CTGCAAGGACTACATCAAGGCTGTGGTGGAGACAGTGGATAACCTGCTTCGGCCGGAGGGCGCTTGAGTCA  
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 TCCATTACAGTCTCCGCCAACACCATCAAGCAGAACAGCCGCAACGGTGTGGTAAAAGTTGTCTTATTCT  
 TCTACAACAACCTGGGCCTTCTTGTCCACGGAGAATGCCACAGTGAAGCTGGCAGGTGAGGCAGGGAC  
 AGGTGGCCCTGGAGGTGCCTCCCTGGTGGTCAACTCACAGGTATCGCAGCATCTATCAATAAGGAGTCT  
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 CAAACTGCTCCTTCTGGAATACTCAGAGCGCTCCATGCTGGGCTACTGGTCAACCCAGGGCTGCCGATT  
 GGTGGAGTCCAATAAGACCCATACCACATGTGCCTGCAGCCACCTCACCACCTTCCAGTGTCTATGGCT  
 CACCGAGAGATCTACCAAGGCCGTAATAAGAGCTGCTGCTGTCAGTATCACCTGGGTTGGTATTGTCA  
 TCTCCCTGGTCTGTCTGGCTATCTGCATCTCCACCTTCTGCTTCTGCGGGGCTTGCAGACTGACCGCAA  
 CACCATCCACAAGAATCTGTGCATCAACCTCTTCTTGGCGAGCTGCTTCTTGGTTGGAATAGATAAA  
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 GGCTGTGCTGGAGGGCGTGCACCTCTACTGTTGCTGGTGGAGGTGTTTCGAGAGCGAGTATTCACGCAC  
 CAAGTACTATTACCTAGGTGGCTACTGCTTCCCAGCCCTGGTGGTCCGCATCGCAGCAGCCATTGACTAC  
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 ATCAGTGTCTCAAGCTGACTCTAGTCGCCTTGACAACATCAAGTCTGGGCGCTGGGTGCCATTGCACTG  
 CTCTTCTGCTGGCCTCACCTGGGCTTTCGGCCTCCTTTCATCAACAAGAGTCAGTAGTCATGGCCT  
 ATCTTCTCACTACCTTCAACGCCTTCCAGGGGCTTTCATCTTTGTCTTTCCTGCGCCTTACAGAAAAA  
 GGTGCACAAGGAGTACAGCAAGTGCCTGCGTCACTCTACTGCTGCATCCGCTCCCCACCTGGGGGCACT  
 CACGGCTCCCTTAAGACCTCAGCCATGCGAAGTAAACCCCGATACTACACAGGGACCCAGAGCCGAATCC  
 GGAGGATGTGGAATGACACCGTGAAGGAGCAGACAGAGTCTCCTTTATGGCAGGTGACATCAACAGCAC  
 CCCCACCTGAACCGAGGTACCATGGGGAACCACCTACTGACCAACCCCGTCTACAGCCTCGTGGGGG  
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 CCCCAGGAAGCTACAGGGAACCAAGCACCCCTTGGGAGGCCGGGAAGCCTGTGGCATGGACACCCTGCC  
 ACTTAACGGCAACTTCAACAACAGCTACTCCTTGCGAAGCGGTGATTTCCCTCCAGGGGATGGGGGTCCC  
 GAGCCACCCCGAGGCCGGAACCTGGCAGATGCTGCCGCCTTTGAGAAGATGATCATCTCAGAGCTGGTGC  
 ACAACAACCTGCGAGGGGCCAGTGGGGGTGCCAAGGGCCTCCACCAGAGCCACCTGTGCCACCTGTGCC  
 AGGGGTGAGTGAAGCAGAGGCCGGTGGACCAGGGAGTGTGACCGGGCAGAGATTGAACTTCTCTACAAG  
 GCCCTGGAGGAGCCGCTGCTGCTGCCCGGGCCAGTCCGTGCTGTACCAGAGTGTGATGGATGAGTCGG  
 AGAGCTGTACGGCAGAGGATGGGGCCACCAGCCGGCCCTCTCTCCCTCCCGCCGGGACTCCCTCTA  
 TGCCAGCGGGGCCAACCTGCGGGACTCGCCCTCCTACCCGGACAGCAGCCCGGAAGGGCCTAATGAGGCC  
 CTGCCCCCGCCCCACCTGCTCCCTTGGGCCCCAGAAATCTACTACACCTCTCGCCCGCCGGCCCTGG  
 TGCTCGGAATCCCTACAGGGTACTACCAGGTGCGGGGCCAGCCATGAAGGCTACCTGGCAGCCCC  
 CAGCCTCGAGGGGCCAGGGCCGATGGGACGGGCAAAATGCAGTTGGTCACTAGTCTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_181039  
**Insert Size:** 4401 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_181039.2</a></u> , <u><a href="#">NP_851382.2</a></u>
<b>RefSeq Size:</b>	8202 bp
<b>RefSeq ORF:</b>	4401 bp
<b>Locus ID:</b>	330814
<b>UniProt ID:</b>	<u><a href="#">Q80TR1</a></u>
<b>Cytogenetics:</b>	8 C2
<b>Gene Summary:</b>	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]