

Product datasheet for MC224660

Adgrl3 (NM_198702) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adgrl3 (NM_198702) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adgrl3
Synonyms:	5430402I23Rik; CIRL-3; D130075K09Rik; Gm1379; LEC3; Lphn3; mKIAA0768
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224660 representing NM_198702 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGCCACCACAGCTACTCATCTCACGATGCTTTAGCACCTGTAGTTCATGGTGGCAAGCACAATG
AGAGACATCCAGCCCTCGCTGCTCCACTGCGACACGCTGAGCGCAGCCCAGGAGGCGCTCTCCCTCCAG
ACATCTCCTTCAGCAGCCAGCGCAGAGCGCTCAACGGCTCATCGAGGACAGGGGCCACGGGAGCTGCC
AGAGGAGTCCGTGGACCAGGTGCCCCAGGAGCACAGATTGCAGCCCAAGCTTTCAGCCGCGCCCAATTC
CCATGGCAGTGGTCCGCAGAGAGCTCTCCTGTGAGAGCTACCCATTGAGCTCCGTTGTCCGGGCACAGA
CGTCATCATGATCGAGAGCGCCAACTACGGGAGGACCGATGACAAGATCTGTGACTCGGACCCTGCTCAG
ATGGAGAACATTCGGTGTATCTGCCAGATGCCTATAAGATTATGTCTCAAAGATGCAATAACAGAACCC
AGTGTGCAGTGGTGGCAGGTCTGATGATTTCCAGACCCATGTCGGGAACATAAAAACCTTGAAGT
GCAGTATGAATGTGCCCTTATAAAGTGAACAAAAAGTTTTCTTTGTCCTGGACTGCTAAAAGGAGTG
TACCAGAGTGAACACTTGTGTAATCTGACCACCAATCTGGGGCATGGTGAAGGACCTCTACAGGCTT
CTGACAAGATTTACTATATGCCCTGGACTCCCTACAGAAGTACACCCTGACAGAGTATTGTCCTCAAGA
TGACTTCATTGCTGGAAGCCAACTACCTACAAGCTCCCTCACAGAGTGGATGGCACTGGATTGTA
GTATACGATGGTCCCTCTTCTTCAACAAGGAGCGGACAAGGAACATTGTAAGTTTTGATTTGAGGACTA
GGATAAAGAGTGGAGAGGCAATCATAGCAAATGCTAATTACCATGACACCTCCCCATACCGATGGGGTGG
CAAGTCCGACATAGACTTGGCAGTGGATGAAAATGGATTATGGGTAATCTATGCAACAGAACAGAACAA
GGCAAGATTGTCATTAGCCAGTTGAACCCTTACACCCTACGGATTGAGGGGACATGGGACTGCTATG
ATAAAGGTCAGCTTCCAATGCATTCATGATTTGTTGGGATTCTGTATGTGGTCAAATCTGTATATGAGGA
TGATGACAACGAGGCCACCGTAATAAGATTGACTACATTTACAACACTGACCAAGCAAGGATAGCTTG
GTGGATGTACCCTTTCCAACTTTACACCTACAGTACATAGCAGCTGTGGATTACAATCCAGGGACAATCTGC
TCTATGTGTGGAATAACTACCAGTTGTGAAATACTCTTTGGACTTCGGGCTCTGGATAGTAGATCAGG
GCCGGTACATCATGGACAAGTCTCTACATCTCTCCACCAATTCACCTCGACTCTGAACTAGAAAGGCC
CCTGTCAGAGGGATTTCTACCACAGGATCCCTGGGTATGGGAAGCACGACCACCAGCACCCTCCGGA



CCACAACCTGGAACATAGGCAGGAGTACCACCGCATCCTTGCCGGGCAGAAGAAACCGCAGTACCAGCAC
 GCCATCCCCCGCGGTAGAGGTGCTGGATGACGTACCACACACCTGCCCTCGGCAGCCTCCCAAATCCCA
 GCTATGGAAGAGAGCTGCGAGGCTGTGGAAGCCCGAGAAATCATGTGGTTTAAGACCAGACAGGGGCAGG
 TAGCAAAGCAGCCATGCCAGCAGGAACCATAGGTGTATCAACTACCTATGTCTTGCTCCTGATGGAAT
 ATGGGACCCCAAGGACCAGATCTCAGCAACTGCTCTTCTCCTTGGGTCAATCACATAACACAGAAGCTG
 AAATCCGGAGAAAACAGCTGCCAATATTGCCAGAGAGCTAGCAGAACAGACAAGAAATCACTTGAACGCTG
 GGGACATCACCTACTCTGTCCGTGCCATGGACAGCTGGTTGGCCTCTTGGATGTCAGCTCAGGAATT
 GACACCAGGGGAAAAGACAGCGCAGCCGCGAGCTTGAACAAGCTTCAGAAAAGAGAGCGCTCTTGCA
 GCCTATGTCCAGCGATGGTGGAGACAGTTAACAACTCCTTCAGCCACAAGCTTGAATGCCTGGAGAG
 ACCTGACGACAAGTGATCAACTGCGTGCGGCCACCATGTTGCTTGACACTGTGGAGGAGAGCGCTTTCGT
 GTTAGCTGATAACCTTTTGAAGACCGACATTGTCAGGGAGAATACAGACAATATTCAGTTAGAAGTTGCA
 AGACTGACGACGGAAGGAAAACCTAGAAGATCTAAAATCCAGAGAACATGGGCCACGGAAGTACCATCC
 AGCTCTCAGCAAACACATTAAGCAAAATGGCCGGAATGGAGAGATTAGAGTGGCTTTTGTCTGTATAA
 TAACCTGGGTCTTATTTGTCTACGGAGAATGCCAGTATGAAGTTGGGCACAGAAGCTATGTCCACAAT
 CACTCGGTTATCGTCAATTCCCCTGTTATTACAGCAGCAATAAATAAGGAATTCAGTAATAAAGTGTATT
 TGGCTGATCCTGTGGTATTTACTGTAAACACATCAAGCAGTCAGAAGAAAATTTCAACCCTAAGTTC
 ATTTTGGAGCTATTCCAAGCGCACAAATGACAGGTTATTGGTCAACACAAGGCTGTGACTCCTGACAACC
 AACAAAGACACATACTACATGCTCCTGTAACCACCTCACCAACTTTCAGTATTGATGGCAGATGTGGAAG
 TTAAGCACAGCGATGCAGTCCACGATCTTCTTGGATGTGATCACGTGGGTTGGCATCTTGCTGTCCCT
 TGTCTGTCTCCTGATTTGCATCTTACATTTCTGCTTCTCCGGGACTCCAGAGTGACCGCAACACCATT
 CACAAGAACCTCTGCATCAGCCTGTTCTGTCGAGAAGTCTTCTCCTGATTGGAATCAACAGAACCAGC
 AACCAATTGCCTGTGCAGTGTTCGCGGCTCTTTGCATTTCTTCTTGGCGCCTTCACTGGAATGTT
 TCTAGAAGGGTGCAGCTGTATATCATGTGTTGGAGGCTTTTGGAGGAGCATTCCCGTAGGAAGTAC
 TTTTATCTGGTCCGCTATGGGATGCCCGGCTCATCGTGGCCGTTTCTGCGGCCGTCGACTACAGGAGCT
 ACGGAACAGACAAAGTATGTTGGCTTCGCTTGACACCTACTTCAATTTGGAGTTTATAGGACCGCGAC
 CTTGATAATTATGCTGAATGTCATCTTCTTGGGATTGCTTTATACAAAATGTTTACCATACTGCCATA
 CTGAAACCTGAATCAGGCTGTCTTGACAAATCAACTATGAGGATAACAGACCCTTCATCAAGTCATGGG
 TTATAGGTGCAATAGCTCTGCTCTGCTGTTAGGATTGACCTGGGCTTTGGACTCATGTATTAATGA
 AAGCACAGTCATCATGGCGTATCTTCCACATTTTCAATTTCTACAGGGAATGTTTATATTCATTTTC
 CACTGTGTTCTACAGAAGAAGGTACGGAAGAGTATGGGAAATGCCTCCGACGCATTGTGTAGTGGGA
 AAAGCACGGAGAGTTCGATTGGCTCAGGAAAACATCTGGTTCTCGAACTCCAGGACGGTACTCCACAGG
 CTCGACAGCCGATTCGAGAAATGTGGAATGACACTGTCCGAAAGCAGTCAGAGTCGTCTTCATCACC
 GGAGACATAAACAGCTCAGCATCGCTCAACAGAGAGCCCTACAGAGAGACAAAGGGGCTTGAACAATG
 CCAGGGATACAAGTGTCATGGATACTCTACCCTGAATGGTAACCATGGCAACAGTTACAGCATTGCTGG
 CGGCGAATACCTGAGCAACTGTGTGCAAAATATAGACCCTGGCTATAACCACAACGAGACCAGCCCTAGAG
 AAAAAGATCCTAAAGGAACCTCACTTCCAATATATCCCTTCATACCTGAACAACACGAGCGCTCCAGCG
 AACAGAACCAGGAATATGATGAACAACTGGTGAACAACTTAGGCAGCGGGAGTGAAGATGACGCCATCGT
 CCTGGATGACGCCGCGTCTTTAACCACGAGGAGAGTCTGGGCTGGAACCTATTACAGGGAATCCGAT
 GCTCCCTTGTGCCCCGAGGGTTTACTCCACGGATAACCACCAGCCACACCATTACAGCAGGAGGCGGT
 TCCCCAGGACCACAGCGAGAGCTTCTTCCCTGCTAACCGACGAGCACACAGAAGACCTGCAGTCACC
 GCACAGGGACTCTCTGTACACCAGCATGCCAGCCCTGGCCGCGTGCAGACAGTGTGACCACC
 AGCACCCAGACCGAAGCCGACGCGCAAGGGTGGTACGCCGAAGATGTTTACTACAAAAGCATGCCAA
 ACCTGGGCTCCAGAAACCAGTGCACCCGCTGCACGCCTACTACCAGCTGGGGCGCGCAGCAGCGACGG
 ATTCATAGTTCTCCTAACAAAGATGGGGCTCTCCGAGGGGACTTCCAAGGACCCGCGCACTTGGTC
 ACTAGTCTA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_198702

Insert Size:	4632 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_198702.2</u> , <u>NP_941991.1</u>
RefSeq Size:	5812 bp
RefSeq ORF:	4632 bp
Locus ID:	319387
UniProt ID:	<u>Q80TS3</u>
Cytogenetics:	5 D-E1
Gene Summary:	<p>Plays a role in cell-cell adhesion and neuron guidance via its interactions with FLRT2 and FLRT3 that are expressed at the surface of adjacent cells (PubMed:22405201, PubMed:25728924, PubMed:26235031). Plays a role in the development of glutamatergic synapses in the cortex (PubMed:22405201, PubMed:24739570). Important in determining the connectivity rates between the principal neurons in the cortex (PubMed:24739570). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>