

Product datasheet for **MC229613**

Adgrb2 (NM_001199696) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adgrb2 (NM_001199696) Mouse Untagged Clone
Tag: Tag Free
Symbol: Adgrb2
Synonyms: Bai2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229613 representing NM_001199696
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGACCCAGCCTGTCCCCTCTACTGTCTGTGATTCTGTCCCTGCGCCTGGCCACGGCCTTCGACCCTG
 CCCCCAGTGCCTGCTCTGCCCTGGCCTCGGGCGTCTACGGGGCCTTCTCGCTGCAGGACCTCTTTCC
 CACCATCGCCTCGGGCTGCTCCTGGACCCTGGAGAACCAGACCCACCAAGTACTCCCTCTACCTGCGC
 TTCAACCGGCAGGAGCAGGTTTGCACACTTTGCCCCGCGCCTGCTGCCCTGGACACTACCTGGTCA
 ACTTTACCTGCCTGCGGCCTGGTCCAGAGGAAGCCACAGCCCGGGCTGAGTCGGAGGTGGACGGCCAGA
 GGAGGAGGAGGAGGAGGCGGCGGCAGCAGCATCAGGGTTGGAGTTGTGTGGTGGCTCAGGCCCTTTACC
 TTTCTGCACCTCGACAAGAACTTTGTGCAGCTGTGCCTGTGCGCTGAGCCCTCTGAGGCCCTCGTCTGC
 TAGCGCCTGCTGCCCTGGCCTCCGTTTTGTGGAGTCTGTGATCAACAACAACAACCTCCAGCCAGTT
 CACCTGTGGTGTGCTCTGCCGCTGGAGTGAGGAGTGCGCCGGGCTGCAGGCAGGGCTTGTGGCTTTGCA
 CAGCCAGGGTGTAGTTGCTCTGGGGAGGCAGGGCCAAACCCGCCACCACCACATCTCCGGGGCCTCCGG
 TTGCCACACCCTGTCCAATGCCCTGGTGCCCGGGGCCAGCCCTCCTGCTGAGGCCGACTTGCACTC
 GGGGAGCAGCAATGACCTGTTACCACCGAGATGAGATATGGTGAGGAGCCGGAAGAGGAACCGAAGGTG
 AAAACCCAGTGGCCAAGTCTGCAGATGAGCCTGGGCTATACATGGCGCAGACAGTGCACGGCGTGTGGG
 AGGAGTGGGGTCTGGAGCCTGTGCTCCCGCAGCTGCGGGCGGGGTCTCGGAGCCGGATGCGGACCTG
 CGTGCCCCCAGCACGGCGGCAAGGCCTGCGAGGGTCCCGAGCTGCAGACTAACTCTGCAGTATGGCC
 GCCTGCCCGGTGAAGGCCAGTGGTAGAATGGGGTCCCTGGGGCCATGCTCATCATCTGTGCCAATG
 GGACCCAGCAGCGCAGCCGAAATGCAGTGTGGCGGTCCAGCCTGGGCCAGTGCAGGTGCCCTCAC
 GGATACCCGTGAGTGCAGCAATCTCGATTGCCCGCCACTGACGGCAAGTGGGGCCGTGGAACGCGTGG
 AGCCTGTGCTCAAGACGTGTGACACGGCTGGCAACGCCCTCCGCATGTGCCAGGCTTCTGGCACAC
 AGGGCTACCCTTGCGAGGGCACAGGAGAGGAGGTGAAACCTGCAGTGAGAAGAGGTGTCCAGCCTCCA
 TGAGATGTGCAGGGATGAGTACGTGATGTTGATGACATGGAAGAGGGCGGCAGCTGGCGAGATCATTTAC
 AACAGTGTCCCCCTAATGCCTCGGGTCTGCTAGCCCGCCTGTCTCCTCAGTGCCAGGGCGTAGCAT



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ACTGGGGACTGCCAGCTTTGCTCGTTGCATATCCCATGAATACCGCTACCTGTACCTGTCACTTCGGGA
 ACACCTGGCTAAGGGCCAGCGCATGCTGGCAGGTGAGGGCATGTACAGGTGGTCCGAGCCTGCAGGAG
 CTAAGTGGCAGCGCACTTACTACAGCGGGGACCTGCTTCTCTGTGGACATCCTAAGGAACGTCAGT
 ACACCTTCAAGAGGGCCACCTATGTCCCTTCCGCCGATGACGTGCAGCGTTTCTCCAGGTGGTGGAGCTT
 CATGGTGGATTAGAAAACAAGGACAAATGGGATGATGCTCAGCAGGTGTACCCGGGCTCTGTGCACCTG
 CTGCGTGTGTGGAAGATTTTATTACCTCGTGGGCGACGCTCTCAAGGCCTTCCAGAGCTCTCTCATTG
 TCACGGACAATCTGGTGATCAGCATTAGAGAGAGCCTATCTCCGCCGTCCAGTGACATCACGTTTCC
 CATGCGGGGCGCAGGGGCATGAAGGACTGGGTGCGACACTCAGAGGATCGTCTCTTTCTACCCAAGGAG
 GTGCTCAGCCTGTCTCCCCAGGAAAGCCAGCCACACCTGGGGCAGCCACAGCAGGCAGCCCGGGCAGGG
 GGAGGGGCCAGGAACGGTGCCCTGCGCCAGGCCACGCCACCAGCGCCTTCTCCAGCTGACCCCGA
 AGAGTCTCTCTACTTTGTGATCGGTGCTGTGCTCTACCGCACCTTGGCCTCATCTGCCGCCCCC
 AGGCCTCCACTTGTGTACCTCCCGGGTGTGACAGTACTGTGCGTCCCCCACCAGCCTCCAGCTG
 AGCCCCATTACAGTGAACCTCTGTACATCATCAATGGCACCACCGATCCCCACTGTGCCAGTGGGA
 CTACTCCAGAGCAGATACCAACTCGGGGACTGGAACACTGAGAGCTGCCAGACCTTGGAGACCCAGGCG
 GCTCACACCCGCTGCCAGTGCACACCTGTCCACCTTGGCGTCTGGCCAGCCACCAAGGACCTGA
 CCCTGGAGCTGGCAGGTGCTCCCTCTGTCCCCCTGGTGATCGGCTGTGCAGTGTCTGCATGGCTGTCT
 CACCCTGCTGGCCATCTATGCAGCCTTCTGGAGGTTTATAAAATCAGAACGCTCCATCATCTTGCTGAAC
 TTCTGCCTGTCCATCCTGGCTTCCAACATTCTGATCCTGGTGGGCCAGTCCCGGGTGTGAGCAAGGGCG
 TATGCACCATGACGGCTGCCTTCTACACTTCTTCTTTCTGTCTCCTTTTGTGGGTGCTTACAGAGGC
 CTGGCAATCCTATCTGGTGTGATCGGGCGGATGCGCACCCGCTGGTTCCGAAGCGCTTCTCTGCCTG
 GGCTGGGGTCTACCTGCCCTGGTGGTGGCTGTGTCTGTGGCTTACTCGCACCAAGGATATGGTACAT
 CCAGTACTGTGGCTGTCCCTAGAGGGCGCCCTGCTCTATGCCTTGTGGTCCAGCAGCAGTATTGT
 CTGGTGAACATGCTCATCGGGATTATCGTCTTCAACAAGCTCATGGCTCGCATGGCTCAGACAAA
 TCTAAGAAGCAGAGGGCTGGGTGCGAGCGGTGCCCTGGGCCAGCCTGCTCCTTCCCTGCTCAGCGTGTG
 GAGCGGTCCCCAGCCCCCTGCTCAGCTCAGCCTCGGCCAGGAATGCCATGGCTTCACTCTGGAGTTCCTG
 CGTGGTACTGCCTCTCTGCGCTTACCTGGATGTCTGCCGCTCGCCATGACAGATCGCCGCTCCGTC
 CTCTCCAGGCACTCTTGGCGTTTTCAACTCTGCACAAGGCTTGTGCATCACCCTGTGCACTGCTTCC
 TGCGCCGAGAGGTCCAGGATGTGGTAAAGTGTGAGATGGGTGTGTGCGGGTGTGAGAGTGAAGACTC
 CCCAGACTCGTGAAGAACGGGAGCTGCAGATCCTGTCAGACTTTGAAAAGGACGTGGATCTGGCTTGT
 CAGACAGTTCTGTTCAAGGAGGTCAACACCTGCAACCCGTCACCATTACCGGCACTCTGTCCGCTGT
 CTCTGGATGAGGATGAGGAGCCCAAGTCTGTCTCGTGGTCTGAGGGTGGCCTCAGCTTCTCACCCT
 GCCTGGGAACATCCTGGTACCATGGCAGCCTCACCAGGTCTAGGGGAGCCACCACCACCCAGGAGACC
 AACCTGTGTACATGTGTGGGAGGGTGGCCTGCGGCAGTTGGACCTTACATGGATACGGCAGAGTGAAC
 CAGGCTCTGAGGGGACTACATGGTTCTGCCCCGGCGACTTTGAGCCTGCAGCCTGGTGGTGGGGGTAC
 AGCGGGTGAAGGAGGCCCAAGGGCCCGGCTGAGGGGACCCCCGGCGGGCTGCCAAAACGGTAGCCAC
 ACTGAAGGCTACCCAGCTTCTGTCTGTGGAGCACTCGGGTCTAGGGCTGGGCCTGCCTATGGGTCTC
 TCCAGAACCCGTATGGAATGACCTTCCAACCACCACCAACACCCAGCGCCGCAAGTACCAGAGCC
 AGGAGAACGTAGCCGACCATGCCCGTACAGTGCCTGGTTCCACCATGAAGCTGGGCTCCCTTGAAGCA
 AAGAAGCTTCGGTATTCGACTTGGACTTTGAGAAGGTGATGCACACTCGAAACGGCACTCGAACTCT
 ACCACGAACTCAACCAGAAGTTCACACTTTCGACCGCTACCGTAGCCAGTCTCAGCCAAGGAGAAACC
 CAGCCCCCGGGGACGCCCTGGCTTGTCCCAGCACAGGAGGCATCAAAGCTGGAGCACCTTCAAATCT
 ATGACACTGGGCTCACTGCCCCCAAGCCCGAGAACGGCTGGCCTGCACCGGACAGCAGCCTGGGAGC
 CCACAGAACCAGCAGCGGACTTCCAGACAGAGGTGTA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_001199696
Insert Size: 4521 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_001199696.1</u> , <u>NP_001186625.1</u>
RefSeq Size:	5112 bp
RefSeq ORF:	4521 bp
Locus ID:	230775
UniProt ID:	<u>Q8CGM1</u>
Cytogenetics:	4 D2.2
Gene Summary:	Orphan G-protein coupled receptor involved in cell adhesion and probably in cell-cell interactions. Activates NFAT-signaling pathway, a transcription factor, via the G-protein GNAZ. Involved in angiogenesis inhibition (PubMed:12218411).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) has several differences in the coding region, compared to variant 1. The resulting protein (isoform 2) is shorter when it is compared to isoform 1.