

Product datasheet for **MC229629**

Adgrb2 (NM_001290715) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adgrb2 (NM_001290715) 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: >MC229629 representing NM_001290715
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGACCCAGCCTGTCCCCTCTACTGTCTGTGATTCTGTCCCTGCGCCTGGCCACGGCCTTCGACCCTG
 CCCCCAGTGCCTGCTCTGCCCTGGCCTCGGGCGTGCTCTACGGGGCCTTCTCGCTGCAGGACCTCTTTCC
 CACCATCGCCTCGGGCTGCTCCTGGACCCTGGAGAACCAGACCCACCAAGTACTCCCTCTACCTGCGC
 TTCAACCGGCAGGAGCAGGTTTGACACACTTTGCCCCGCGCCTGCTGCCCTGGACACTACCTGGTCA
 ACTTTACCTGCCTGCGGCCTGGTCCAGAGGAAGCCACAGCCCGGGCTGAGTCGGAGGTGGGACGGCCAGA
 GGAGGAGGAGGAGGAGGCGGCGGCAGCAGCATCAGGGTTGGAGTTGTGTGGTGGCTCAGGCCCTTTACC
 TTTCTGCACCTCGACAAGAACTTTGTGCAGCTGTGCCTGTGCGCTGAGCCCTCTGAGGCCCTCGTCTGC
 TAGCGCCTGCTGCCCTGGCCTCCGTTTTGTGGAGTCTTGCTGATCAACAACAACAACCTCCAGCCAGTT
 CACCTGTGGTGTGCTCTGCCCTGGAGTGAGGAGTGAGGCGGGCTGCAGGCAGGGCTTGTGGCTTTGCA
 CAGCCAGGGTGTAGTTGTCTGGGGAGGACGGGCAACCCGCCACCACCACATCTCCGGGGCTCCGG
 TTGCCACACCCTGTCCAATGCCCTGGTGCCCGGGGCCAGCCCTCCTGCTGAGGCCACTTGCACTC
 GGGGAGCAGCAATGACCTGTTACCACCGAGATGAGATATGGTGAGGAGCCGGAAGAGGAACCGAAGGTG
 AAAACCCAGTGGCCAAGGTCTGCAGATGAGCCTGGGCTATACATGGCGCAGACAGCGCACCCAGCAGCTG
 AGGAGTGGTCCCCGTGGAGCGTGTGTTCCCTGACGTGTGGCAGGGTCTGCAGGTGCGGACCCGCTCCTG
 CGTGTCTCCCCATAGGGACCCTGTGCAGCGGGCCCTTCGGGAGACCCGGCCTTGCAACAATTCAGCC
 ACCTGCCCAGTGCACGGCGTGTGGGAGGAGTGGGGTCTGGAGCCTGTGCTCCCGCAGCTGCGGGCGGG
 GGTCTCGGAGCCGGATGCGGACCTGCGTCCCCCAGCACGGCGCAAGGCTGCGAGGGTCCCGAGCT
 GCAGACTAAACTCTGCAGTATGGCCGCTGCCCGTGAAGGCCAGTGGCTAGAATGGGGTCCCTGGGGC
 CCATGCTCATCATCTTGTGCAAATGGGACCCAGCAGCGCAGCCGAAATGCAGTGTGGCGGTCCAGCCT
 GGGCCAGTGCAGGTCCTCACGGATACCCGTGAGTGCAGCAATCTCGATTGCCCGGCCACTGACGG
 CAAGTGGGGCCGTGGAACGCGTGGAGCCTGTGCTCAAGACGTGTGACACGGGCTGGCAACGCCGCTTC
 CGCATGTGCCAGGCTTCTGGCACACAGGGCTACCTTGCAGGGCACAGGAGAGGAGGTGAAACCTGCA



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GTGAGAAGAGGTGTCCAGCCTTCCATGAGATGTGCAGGGATGAGTACGTGATGTTGATGACATGGAAGAG
 GGCGGCAGCTGGCGAGATCATTTACAACAAGTGTCCCCCTAATGCCTCGGGTTCTGCTAGCCGCCGCTGT
 CTCCTCAGTGGCCAGGGCGTAGCATACTGGGGACTGCCAGCTTTGCTCGTTGCATATCCCATGAATACC
 GCTACCTGTACCTGTCACTTCGGGAACACCTGGCTAAGGGCCAGCGCATGCTGGCAGGTGAGGGCATGTC
 ACAGGTGGTGGGAGCCTGCAGGAGCTACTGGCACGGCGCACTTACTACAGCGGGGACCTGCTCTTCTCT
 GTGGACATCCTAAGGAACGTCACTGACACCTTCAAGAGGGCCACCTATGTCCTTCCGCCGATGACGTGC
 AGCGTTTTCTCCAGGTGGTGAAGTTCATGGTGGATTAGAAAACAAGGACAAATGGGATGATGCTCAGCA
 GGTGTACCCGGGCTCTGTGCACCTGCTGCGTGTGTGGAAAGATTCATTACCTCGTGGGCGACGCTCTC
 AAGGCCTTCCAGAGCTCTCTCATTGTACCGGACAATCTGGTGATCAGCATTACAGAGAGAGCCTATCTCCG
 CCGTGTCCAGTGACATCACGTTTTCCATGCGGGGCCGAGGGGCATGAAGGACTGGGTGCGACACTCAGA
 GGATCGTCTCTTTCTACCAAGGAGGTGCTCAGCCTGTCTCCCAGGAAAGCCAGCCACACCTGGGGCA
 GCCACAGCAGGCAGCCGGGCGAGGGGGAGGGGCCAGGAACGGTGCCTCCAGGCCAGCCACGCCACC
 AGCGCCTTCTCCAGCTGACCCGAAGAGTCTCTCTACTTTGTGATCGGTGCTGTGCTTACCGCAC
 CCTTGGCTCATCTGCCGCCCCAGGCCCTCACTTGTGTACCTCCCGGTGATGACAGTACTGTG
 CGTCCCCCACCAGCCTCCAGCTGAGCCCTCATTACAGTGGAACTCTCGTACATCATCAATGGCACCA
 CCGATCCCCACTGTGCCAGCTGGGACTACTCCAGAGCAGATACCAACTCGGGGGACTGGAACACTGAGAG
 CTGCCAGACCTTGGAGACCCAGGCGGCTCACACCCGCTGCCAGTGCCAGCACCTGTCCACCTTGGCGTC
 CTGGCCAGCCACCAAGGACCTGACCTGGAGCTGGCAGGTGCTCCCTGTCCCCCTGGTGATCGGCT
 GTGCAGTGTCTGCATGGCTCTGCTCACCTGTGGCCATCTATGCAGCCTTCTGGAGGTTTATAAAATC
 AGAACGCTCCATCATCTTGTGAACTTCTGCCTGTCCATCCTGGCTTCCAACATTCTGATCCTGGTGGG
 CAGTCCCGGTGCTGAGCAAGGGCGTATGCACCATGACGGTGCCTTCTACACTTCTTCTTCTGTCTCT
 CCTTTTCTGGGTGCTTACAGAGGCTTGGCAATCCTATCTGGCTGTATCGGGCGGATGCCACCCGCT
 GGTTCGCAAGCGCTTCTCTGCTGGGCTGAGGCTACTGCTGCTGTCCCTAGAGGGGCGCTGCTCTATGGCT
 ACTCGACCAAAGGATATGGTACATCCAGTACTGCTGGCTGTCCCTAGAGGGGCGCTGCTCTATGGCT
 TCGTGGGTCCAGCAGCAGTCACTTGTCTGGTGAACATGCTCATCGGGATTATCGTCTTCAACAAGCTCAT
 GGCTCGCGATGGCGTCTCAGACAAATCTAAGAAGCAGAGGGCTGGGTGGAGCGGTGCCCTGGGCCAGC
 CTGCTCCTTCCCTGCTCAGCGTGTGGAGCGGTCCCAGCCCCCTGCTCAGCTCAGCCTCGGCCAGGAATG
 CCATGGCTTCACTCTGGAGTTCCTGCGTGGTACTGCCTCTCTGGCGCTTACTGGATGTCTGCCGCTCT
 GGCCATGACAGATCGCCGCTCCGCTCTTCCAGGCACCTTTGCCGTTTTCAACTCTGCACAAGGCTTT
 GTCATACCCGCTGTGCACTGCTTCTGCGCCGAGAGGTCCAGGATGTGGTAAAGTGTGAGATGGGTGTG
 GTCGGGCTGATGAGAGTGAAGACTCCCCAGACTCGTGCAAGAACGGGCGAGCTGCAGATCCTGTGCACTT
 TGAAAAGGACGTGGATCTGGCTTGTGAGACAGTCTGTGTTCAAGGAGGTCAACACCTGCAACCCGTCACC
 ATTACCGGCACTCTGTCCCGCTGTCTCTGGATGAGGATGAGGAGCCCAAGTCTGTCTCGTGGGTCTG
 AGGGTGGCCTCAGCTTCTCACCCTGCCTGGGAACATCCTGGTACCCATGGCAGCCTCACCAGGTCTAGG
 GGAGCCACCACCACCCAGGAGACCAACCCTGTGTACATGTGTGGGGAGGGTGGCTGCGGCAGTTGGAC
 CTTACATGGATACGGCAGAGTGAACCAGGCTCTGAGGGGGACTACATGTTTCTGCCCCGGCGGACTTTGA
 GCCTGCAGCCTGGTGGTGGGGTACAGCGGGTGAAGGAGCCCCAAGGGCCCGCTGAGGGGACCCCCG
 GCGGGTGGCAAAACGGTAGCCACACTGAAGGCTACCCAGCTTCTGTCTGTGGAGCACTCGGTCTA
 GGGCTGGGCCCTGCCTATGGGTCTCTCAGAACCCTGATGGAATGACCTTCAACCACCACCAACAC
 CCAGCGCCCGCAAGTACCAGAGCCAGGAGAAGTACAGCGGACCATGCCCGTACAGTGCCTGGTTCCAC
 CATGAAGCTGGGCTCCCTTGAAGGAAAGCTTCCGATTCGGACTTGGACTTTGAGAAGGTGATGCAC
 ACTCGGAAACGGCACTCGGAACTCTACCACGAACCTCAACCAGAAGTCCACACTTTGACCGCTACCGTA
 GCCAGTCTCAGCAAGGAGAAACCCAGCCCCCGGGGAGCGCCTGGCTTGTCCAGCACAGGAGGCA
 TCAAAGCTGGAGCACCTTCAAATCTATGACACTGGGCTCACTGCCCCCAAGCCCGAGAACGGTGGCC
 CTGACCCGACAGCAGCCTGGGAGCCACAGAACCAGCCAGCGGCACTTCCAGACAGAGGTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-RsrII

ACCN:

NM_001290715

Insert Size:	4686 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_001290715.1</u> , <u>NP_001277644.1</u>
RefSeq Size:	5011 bp
RefSeq ORF:	4686 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 (3) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. It encodes isoform 3, which is shorter than isoform 1.