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Product datasheet for MC229601

Adgrb2 (NM_001290714) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adgrb2 (NM_001290714) 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:

>MC229601 representing NM_001290714
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCCCAGCCTGTCCCCTCTTACTGTCTGTGATTCTGTCCCTGCGCCTGGCCACGGCCTTCGACCCTG
CCCCCAGTGCCTGCTCTGCCCTGGCCTCGGGCGTGCTCTACGGGGCCTTCTCGCTGCAGGACCTCTTTCC
CACCATCGCCTCGGGCTGCTCCTGGACCCTGGAGAACCCAGACCCCACCAAGTACTCCCTCTACCTGCGC
TTCAACCGGCAGGAGCAGGTTTGCACACACTTTGCCCCGCGCCTGCTGCCCCTGGACCACTACCTGGTCA
ACTTTACCTGCCTGCGGCCTGGTCCAGAGGAAGCCACAGCCCGGGCTGAGTCGGAGGTGGGACGGCCAGA
GGAGGAGGAGGAGGAGGCGGCGGCAGCAGCATCAGGGTTGGAGTTGTGTGGTGGCTCAGGCCCCTTTACC
TTTCTGCACTTCGACAAGAACTTTGTGCAGCTGTGCCTGTCGGCTGAGCCCTCTGAGGCCCCTCGTCTGC
TAGCGCCTGCTGCCCTGGCCTTCCGTTTTGTGGAGGTCTTGCTGATCAACAACAACAACTCCAGCCAGTT
CACCTGTGGTGTGCTCTGCCGCTGGAGTGAGGAGTGTGGCCGGGCTGCAGGCAGGGCTTGTGGCTTTGCA
CAGCCAGGGTGTAGTTGTCCTGGGGAGGCAGGGGCCAACCCCGCCACCACCACATCTCCGGGGCCTCCGG
TTGCCCACACCCTGTCCAATGCCCTGGTGCCCGGGGGCCCAGCCCCTCCTGCTGAGGCCGACTTGCACTC
GGGGAGCAGCAATGACCTGTTCACCACCGAGATGAGATATGGTGAGGAGCCGGAAGAGGAACCGAAGGTG
AAAACCCAGTGGCCAAGGTCTGCAGATGAGCCTGGGCTATACATGGCGCAGACAGGCGACCCAGCAGCTG
AGGAGTGGTCCCCGTGGAGCGTGTGTTCCCTGACGTGTGGGCAGGGTCTGCAGGTGCGGACCCGCTCCTG
CGTGTCCTCCCCCTATGGGACCCTGTGCAGCGGGCCCCTTCGGGAGACCCGGCCTTGCAACAATTCAGCC
ACCTGCCCAGTGGAAGGCCAGTGGCTAGAATGGGGTCCCTGGGGCCCATGCTCATCATCTTGTGCCAATG
GGACCCAGCAGCGCAGCCGGAAATGCAGTGTGGCGGGTCCAGCCTGGGCCACGTGCGCAGGTGCCCTCAC
GGATACCCGTGAGTGCAGCAATCTCGATTGCCCGGCCACTGACGGCAAGTGGGGGCCGTGGAACGCGTGG
AGCCTGTGCTCCAAGACGTGTGACACGGGCTGGCAACGCCGCTTCCGCATGTGCCAGGCTTCTGGCACAC
AGGGCTACCCTTGCGAGGGCACAGGAGAGGAGGTGAAACCCTGCAGTGAGAAGAGGTGTCCAGCCTTCCA
TGAGATGTGCAGGGATGAGTACGTGATGTTGATGACATGGAAGAGGGCGGCAGCTGGCGAGATCATTTAC
AACAAGTGTCCCCCTAATGCCTCGGGTTCTGCTAGCCGCCGCTGTCTCCTCAGTGCCCAGGGCGTAGCAT

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ACTGGGGACTGCCCAGCTTTGCTCGTTGCATATCCCATGAATACCGCTACCTGTACCTGTCACTTCGGGA
ACACCTGGCTAAGGGCCAGCGCATGCTGGCAGGTGAGGGCATGTCACAGGTGGTGCGGAGCCTGCAGGAG
CTACTGGCACGGCGCACTTACTACAGCGGGGACCTGCTCTTCTCTGTGGACATCCTAAGGAACGTCACTG
ACACCTTCAAGAGGGCCACCTATGTCCCTTCCGCCGATGACGTGCAGCGTTTCTTCCAGGTGGTGAGCTT
CATGGTGGATTCAGAAAACAAGGACAAATGGGATGATGCTCAGCAGGTGTCACCGGGCTCTGTGCACCTG
CTGCGTGTTGTGGAAGATTTCATTCACCTCGTGGGCGACGCTCTCAAGGCCTTCCAGAGCTCTCTCATTG
TCACGGACAATCTGGTGATCAGCATTCAGAGAGAGCCTATCTCCGCCGTGTCCAGTGACATCACGTTTCC
CATGCGGGGCCGCAGGGGCATGAAGGACTGGGTGCGACACTCAGAGGATCGTCTCTTTCTACCCAAGGAG
GTGCTCAGCCTGTCCTCCCCAGGAAAGCCAGCCACACCTGGGGCAGCCACAGCAGGCAGCCCGGGCAGGG
GGAGGGGCCCAGGAACGGTGCCCCCTGGCCCAGGCCACGCCCACCAGCGCCTTCTCCCAGCTGACCCCGA
AGAGTCCTCCTCCTACTTTGTGATCGGTGCTGTGCTCTACCGCACCCTTGGCCTCATCCTGCCGCCCCCC
AGGCCTCCACTTGCTGTCACCTCCCGGGTGATGACAGTGACTGTGCGTCCCCCCACCCAGCCTCCAGCTG
AGCCCCTCATTACAGTGGAACTCTCGTACATCATCAATGGCACCACCGATCCCCACTGTGCCAGCTGGGA
CTACTCCAGAGCAGATACCAACTCGGGGGACTGGAACACTGAGAGCTGCCAGACCTTGGAGACCCAGGCG
GCTCACACCCGCTGCCAGTGCCAGCACCTGTCCACCTTTGCCGTCCTGGCCCAGCCACCCAAGGACCTGA
CCCTGGAGCTGGCAGGTGCTCCCTCTGTCCCCCTGGTGATCGGCTGTGCAGTGTCCTGCATGGCTCTGCT
CACCCTGCTGGCCATCTATGCAGCCTTCTGGAGGTTTATAAAATCAGAACGCTCCATCATCTTGCTGAAC
TTCTGCCTGTCCATCCTGGCTTCCAACATTCTGATCCTGGTGGGCCAGTCCCGGGTGCTGAGCAAGGGCG
TATGCACCATGACGGCTGCCTTCCTACACTTCTTCTTTCTGTCCTCCTTTTGCTGGGTGCTTACAGAGGC
CTGGCAATCCTATCTGGCTGTCATCGGGCGGATGCGCACCCGCCTGGTTCGCAAGCGCTTCCTCTGCCTG
GGCTGGGGTCTACCTGCCCTGGTGGTGGCTGTGTCTGTTGGCTTTACTCGCACCAAAGGATATGGTACAT
CCAGCTACTGCTGGCTGTCCCTAGAGGGCGGCCTGCTCTATGCCTTCGTGGGTCCAGCAGCAGTCATTGT
CCTGGTGAACATGCTCATCGGGATTATCGTCTTCAACAAGCTCATGGCTCGCGATGGCGTCTCAGACAAA
TCTAAGAAGCAGAGGGCTGGGGCTTCACTCTGGAGTTCCTGCGTGGTACTGCCTCTCCTGGCGCTTACCT
GGATGTCTGCCGTCCTGGCCATGACAGATCGCCGCTCCGTCCTCTTCCAGGCACTCTTTGCCGTTTTCAA
CTCTGCACAAGGCTTTGTCATCACCGCTGTGCACTGCTTCCTGCGCCGAGAGGTCCAGGATGTGGTAAAG
TGTCAGATGGGTGTGTGTCGGGCTGATGAGAGTGAAGACTCCCCAGACTCGTGCAAGAACGGGCAGCTGC
AGATCCTGTCAGACTTTGAAAAGGACGTGGATCTGGCTTGTCAGACAGTTCTGTTCAAGGAGGTCAACAC
CTGCAACCCGTCCACCATTACCGGCACTCTGTCCCGCCTGTCTCTGGATGAGGATGAGGAGCCCAAGTCC
TGTCTCGTGGGTCCTGAGGGTGGCCTCAGCTTCTCACCACTGCCTGGGAACATCCTGGTACCCATGGCAG
CCTCACCAGGTCTAGGGGAGCCACCACCACCCCAGGAGACCAACCCTGTGTACATGTGTGGGGAGGGTGG
CCTGCGGCAGTTGGACCTTACATGGATACGGCAGAGTGAACCAGGCTCTGAGGGGGACTACATGGTTCTG
CCCCGGCGGACTTTGAGCCTGCAGCCTGGTGGTGGGGGTACAGCGGGTGAGGAGGCCCCAAGGGCCCGGC
CTGAGGGGACCCCCCGGCGGGCTGCCAAAACGGTAGCCCACACTGAAGGCTACCCCAGCTTCCTGTCTGT
GGAGCACTCGGGTCTAGGGCTGGGCCCTGCCTATGGGTCTCTCCAGAACCCGTATGGAATGACCTTCCAA
CCACCACCACCAACACCCAGCGCCCGCCAAGTACCAGAGCCAGGAGAACGTAGCCGGACCATGCCCCGTA
CAGTGCCTGGTTCCACCATGAAGCTGGGCTCCCTTGAGCGAAAGAAGCTTCGGTATTCGGACTTGGACTT
TGAGAAGGTGATGCACACTCGGAAACGGCACTCGGAACTCTACCACGAACTCAACCAGAAGTTCCACACT
TTCGACCGCTACCGTAGCCAGTCCTCAGCCAAGGAGAAACCCAGCCCCCCCGGGGGACGCCCTGGCTTGT
CCCAGCACAGGAGGCATCAAAGCTGGAGCACCTTCAAATCTATGACACTGGGCTCACTGCCCCCAAGCC
CCGAGAACGGCTGGCCCTGCACCGGACAGCAGCCTGGGAGCCCACAGAACCGCCAGACGGCGACTTCCAG
ACAGAGGTGTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001290714

Insert Size: 4422 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:	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:	NM_001290714.1, NP_001277643.1
RefSeq Size:	5185 bp
RefSeq ORF:	4422 bp
Locus ID:	230775
UniProt ID:	Q8CGM1
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 (4) lacks one alternate in-frame exon each, in the 5' and 3' coding regions, compared to variant 1. It encodes isoform 4, which is shorter than isoform 1.