

## Product datasheet for **MC224668**

### Adgrb2 (NM\_173071) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Adgrb2 (NM\_173071) 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:** >MC224668 representing NM\_173071  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGC**C

ATGACCCAGCCTGTCCCCTCTACTGTCTGTGATTCTGTCCCTGCGCCTGGCCACGGCCTTCGACCCTG  
 CCCCCAGTGCCTGCTCTGCCCTGGCCTCGGGCGTCTACGGGGCCTTCTCGCTGCAGGACCTCTTTCC  
 CACCATCGCCTCGGGCTGCTCCTGGACCCTGGAGAACCAGACCCACCAAGTACTCCCTCTACCTGCGC  
 TTCAACCGGCAGGAGCAGGTTTGACACACTTTGCCCCGCGCCTGCTGCCCTGGACACTACCTGGTCA  
 ACTTTACCTGCCTGCGGCCTGGTCCAGAGGAAGCCACAGCCCGGGCTGAGTCGGAGGTGGGACGGCCAGA  
 GGAGGAGGAGGAGGAGGCGGGCAGCAGCATCAGGGTTGGAGTTGTGTGGTGGCTCAGGCCCTTTACC  
 TTTCTGCACCTCGACAAGAACTTTGTGCAGCTGTGCCTGTGCGCTGAGCCCTCTGAGGCCCTCGTCTGC  
 TAGCGCCTGCTGCCCTGGCCTCCGTTTTGTGGAGTCTTGCTGATCAACAACAACAACCTCCAGCCAGTT  
 CACCTGTGGTGTGCTCTGCCCTGGAGTGAGGAGTGTGGCCGGCTGCAGGCAGGGCTTGTGGCTTTGCA  
 CAGCCAGGGTGTAGTTGCTCCTGGGAGGACAGGGCCAACCCGCCACCACCACATCTCCGGGGCCTCCGG  
 TTGCCACACCCTGTCCAATGCCCTGGTGCCCGGGGCCAGCCCTCCTGCTGAGGCCACTTGCACT  
 GGGGAGCAGCAATGACCTGTTACCACCGAGATGAGATATGGTGAGGAGCCGGAAGAGGAACCGAAGGTG  
 AAAACCCAGTGGCCAAGGTCTGCAGATGAGCCTGGGCTATACATGGCGCAGACAGCGCACCCAGCAGCTG  
 AGGAGTGGTCCCCGTGGAGCGTGTGTTCCCTGACGTGTGGCAGGGTCTGCAGGTGCGGACCCGCTCCTG  
 CGTGTCTCCCCATGGGACCCTGTGCAGCGGGCCCTTCGGGAGACCCGGCCTTGCAACAATTCAGCC  
 ACCTGCCCAGTGCACGGCGTGTGGGAGGAGTGGGGTCTGGAGCCTGTGCTCCCGCAGCTGCGGGCGGG  
 GGTCTCGGAGCCGGATGCGGACCTGCGTCCCCCAGCACGGCGCAAGGCTGCGAGGGTCCCGAGCT  
 GCAGACTAAACTCTGCAGTATGGCCGCTGCCCGTGAAGGCCAGTGGCTAGAATGGGGTCCCTGGGGC  
 CCATGCTCATCATCTTGTCCAATGGGACCCAGCAGCGCAGCCGAAATGCAGTGTGGCGGTCCAGCCT  
 GGGCCAGTGCAGGTCCTCACGGATACCCGTGAGTGCAGCAATCTCGATTGCCCGGCCACTGACGG  
 CAAGTGGGGCCGTGGAACGCGTGGAGCCTGTGCTCAAGACGTGTGACACGGGTGGCAACGCCGCTTC  
 CGCATGTGCCAGGCTTCTGGCACACAGGGCTACCTTGCAGGGCACAGGAGAGGAGGTGAAACCTGCA



[View online »](#)

GTGAGAAGAGGTGTCCAGCCTTCCATGAGATGTGCAGGGATGAGTACGTGATGTTGATGACATGGAAGAG  
 GGCGGCAGCTGGCGAGATCATTTACAACAAGTGTCCCCCTAATGCCTCGGGTTCTGCTAGCCGCCGCTGT  
 CTCTCAGTGGCCAGGGCGTAGCATACTGGGGACTGCCAGCTTTGCTCGTTGCATATCCCATGAATACC  
 GCTACCTGTACCTGTCACTTCGGGAACACCTGGCTAAGGGCCAGCGCATGCTGGCAGGTGAGGGCATGTC  
 ACAGGTGGTGGGAGCCTGCAGGAGCTACTGGCAGGGCGCACTTACTACAGCGGGGACCTGCTCTTCTCT  
 GTGGACATCCTAAGGAACGTCACTGACACCTTCAAGAGGGCCACCTATGTCCTTCCGCCGATGACGTGC  
 AGCGTTTCTTCCAGGTGGTGAAGTTCATGGTGGATTAGAAAACAAGGACAAATGGGATGATGCTCAGCA  
 GGTGTACCCGGGCTCTGTGCACCTGCTGCGTGTGTGGAAAGATTTCATTCACCTCGTGGGCGACGCTCTC  
 AAGGCCTTCCAGAGCTCTCTCATTGTCACGGACAATCTGGTGATCAGCATTACAGAGAGAGCCTATCTCCG  
 CCGTGTCCAGTGACATCACGTTTCCCATGCGGGGCCAGGGGCATGAAGGACTGGGTGCGACACTCAGA  
 GGATCGTCTCTTTTACCCAAGGAGGTGCTCAGCCTGTCTCCCAGGAAAGCCAGCCACACCTGGGGCA  
 GCCACAGCAGGCAGCCGGGAGGGGGAGGGGCCAGGAACGGTGCCTTGGCCAGGCCACGCCACC  
 AGCGCCTTCTCCAGCTGACCCGAAGAGTCTCTCTACTTTGTGATCGGTGCTGTGCTTACCCGAC  
 CCTTGGCTCATCTGCCGCCCCAGGCCCTCACTTGTGTACCTCCCGGTGATGACAGTACTGTG  
 CGTCCCCCACCAGCCTCCAGCTGAGCCCTCATTACAGTGGAACTCTCGTACATCATCAATGGCACCA  
 CCGATCCCCACTGTGCCAGCTGGGACTACTCCAGAGCAGATACCAACTCGGGGGACTGGAACACTGAGAG  
 CTGCCAGACCTTGGAGACCCAGGCGGCTCACACCCGCTGCCAGTGCCAGCACCTGTCCACCTTGGCGTC  
 CTGGCCAGCCACCAAGGACCTGACCTGGAGCTGGCAGGTGCTCCCTGTCCCCCTGGTGATCGGCT  
 GTGCAGTGTCTGCATGGCTCTGCTCACCTGTGGCCATCTATGCAGCCTTCTGGAGGTTTATAAAATC  
 AGAACGCTCCATCATCTTGTGAACTTCTGCCTGTCCATCCTGGCTTCCAACATTCTGATCCTGGTGGG  
 CAGTCCCGGTGCTGAGCAAGGGCGTATGCACCATGACGGTGCCTTCTACACTTCTTTTCTGTCTCT  
 CCTTTTCTGGGTGCTTACAGAGGCTTGGCAATCCTATCTGGCTGTATCGGGCGGATGCGCACCCGCT  
 GGTTCGCAAGCGCTTCTCTGCCTGGGCTGGGCTACTCTGGTGGTGGTGTGTGTGGGCTTT  
 ACTCGCACCAAGGATATGGTACATCCAGCTACTGCTGGCTGTCCCTAGAGGGCGGCTGCTCTATGCT  
 TCGTGGGTCCAGCAGCAGTCATTGCTGCTGGAACATGCTCATCGGGATTATCGTCTTCAACAAGCTCAT  
 GGCTCGCGATGGCGTCTCAGACAAATCTAAGAAGCAGAGGGCTGGCCGACTGTCTTGGAACTCTGGGGA  
 TATGGCTCTCAACTGTGTCTTTTCCAAGGCTTCCAAGGGCTTCACTTGGAGTCTGCGTGGTACTGC  
 CTCTCTGGCGCTTACCTGGATGTCTGCCGCTCTGGCCATGACAGATCGCCGCTCCGCTCTTCCAGGC  
 ACTCTTGGCGTTTTCAACTCTGCACAAGGCTTGTGTATCACCCTGTGCACTGCTTCTGCGCCGAGAG  
 GTCCAGGATGTGGTAAAGTGTGAGATGGGTGTGTGCGGGCTGATGAGAGTGAAGACTCCCCAGACTCGT  
 GCAAGAACGGGAGCTGCAGATCCTGTGAGACTTTGAAAAGGACGTGGATCTGGCTTGTGAGACAGTTCT  
 GTTCAAGGAGGTCAACACCTGCAACCCGTCACCAATTACCGGCACTCTGTCCCGCTGTCTCTGGATGAG  
 GATGAGGAGCCCAAGTCTGTCTCGTGGTCTGAGGGTGGCCTCAGTTCTCACCACCTGCCTGGGAACA  
 TCCTGGTACCCATGGCAGCCTCACAGGTCTAGGGGAGCCACCACCACCCAGGAGACCAACCTGTGTA  
 CATGTGTGGGGAGGGTGGCTGCGGCAGTTGGACCTTACATGGATACGGCAGAGTGAACCAGGCTCTGAG  
 GGGGACTACATGGTCTGCCCGGGGACTTTGAGCCTGCAGCCTGGTGGTGGGGGTACAGCGGGTGGG  
 AGGCCCAAGGGCCCGGCTGAGGGGACCCCGGGGCTGCCAAAACGGTAGCCACACTGAAGGCTA  
 CCCCAGCTTCTGTCTGTGGAGCACTCGGTCTAGGGCTGGGCCCTGCCTATGGTCTCTCCAGAACCCG  
 TATGGAATGACCTTCCAACCACCACCACCAACCCAGCGCCGCAAGTACCAGAGCCAGGAGAACGTA  
 GCCGGACCATGCCCCGTACAGTGCCTGGTTCACCATGAAGCTGGGCTCCCTTGGAGCAAAGAAGCTTCG  
 GTATTCGACTTGGACTTTGAGAAGGTGATGCACACTCGAAAACGGCACTCGGAACTCTACCACGAACTC  
 AACCAGAAGTTCCACACTTTCGACCGCTACCGTAGCCAGTCTCAGCCAAGGAGAAAACCCAGCCCCCG  
 GGGGACGCCCTGGCTTGTCCCAGCACAGGAGGCATCAAAGCTGGAGCACCTTCAAATCTATGACTGGG  
 CTACTGCCCCCAAGCCCCGAGAACGGCTGGCCCTGCACCGGACAGCAGCTGGGAGCCACAGAACC  
 CCAGACGGCGACTTCCAGACAGAGGTG**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-RsrII

ACCN:

NM\_173071

<b>Insert Size:</b>	4650 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_173071.3</a></u> , <u><a href="#">NP_775094.2</a></u>
<b>RefSeq Size:</b>	5241 bp
<b>RefSeq ORF:</b>	4650 bp
<b>Locus ID:</b>	230775
<b>UniProt ID:</b>	<u><a href="#">Q8CGM1</a></u>
<b>Cytogenetics:</b>	4 D2.2
<b>Gene Summary:</b>	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 (1) represents the longer transcript and it encodes the longer protein (isoform 1).