

## Product datasheet for MR212029

### Adgrb2 (NM\_173071) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Adgrb2 (NM\_173071) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Adgrb2  
**Synonyms:** Bai2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR212029 representing NM\_173071  
Red=Cloning site Blue=ORF Green=Tags(s)

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CGCATGTGCCAGGCTTCTGGCACACAGGGCTACCTTTCGAGGGGCACAGGAGAGGAGGTGAAACCCCTGCA  
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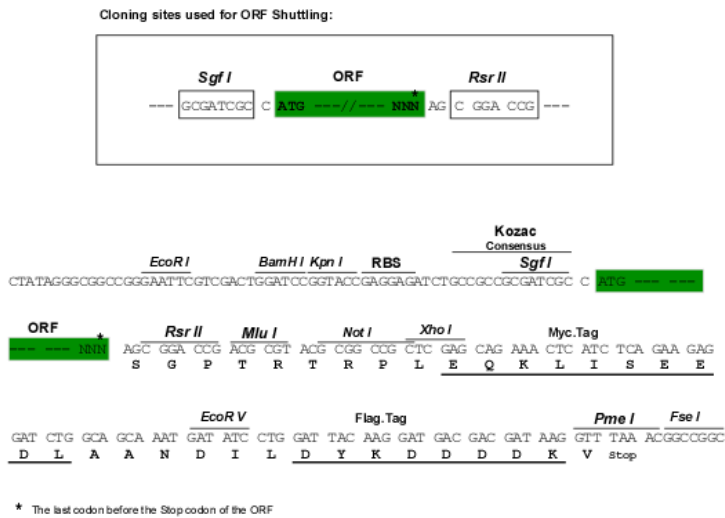
**Protein Sequence:** >MR212029 representing NM\_173071  
 Red=Cloning site Green=Tags(s)

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 FLHFDFKNFVQLCLSAEPSEAPRLAPAAALAFRVEVLLINNNSSQFTCGVLCRWSEECGRAAGRACGFA  
 QPGCSCPGEAGANPATTTSPGPPVAHTLSNALVPGGPAPPAEADLHSGSSNDLFTTEMRYGEEPEEPEPKV  
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 TCPVHGVWEEWGSWSLCSRSCGRGSRMRMTCVPPQHGGKACEGPELQTKLCSMAACPVEGQWLEWGPWG  
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 YGSQLCLFPKLPASLWSSCVLPLLALTWMSAVLAMTDRRSVLFQALFAVFNSAQGFVITAVHCFLRRE  
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 DEEPKSCLVGPPEGLSF SPLPGNILVPMAASPLGEP PPPQETNPVYMCGEGLRQLDLTWIRQSEPGSE  
 GDMYVLP RRTL SLQPGGGTAGEEAPRARPEGTPRRAAKTVAHTEGYPSFLSVEHSGLGLGPAYGSLQNP  
 YGMTFQPPPTPSARQVPEPGERSRTPRTVPGSTMKLGSLERKRLRYSDLDFEKVMHTRKRHSELYHEL  
 NQKFHTFDRYRSQSSAKEKPSPPGGRPGLSQHRRHQSWTFKSMTLGSLPPKPRERLALHRTAAWEPTPEP  
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**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**

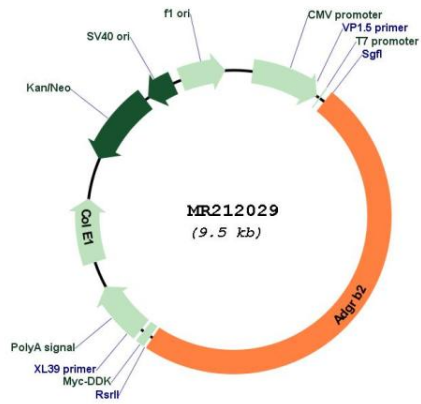


**ACCN:** NM\_173071

**ORF Size:** 4647 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_173071.4</a>
<b>RefSeq Size:</b>	5241 bp
<b>RefSeq ORF:</b>	4650 bp
<b>Locus ID:</b>	230775
<b>UniProt ID:</b>	<a href="#">Q8CGM1</a>
<b>Cytogenetics:</b>	4 D2.2
<b>MW:</b>	169.5 kDa
<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]

Product images:



Circular map for MR212029