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Product datasheet for MR231812

Adgrb2 (NM_001290714) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adgrb2 (NM_001290714) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adgrb2
Synonyms:	Bai2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR231812 representing NM_001290714 Red=Cloning site Blue=ORF Green=Tags(s) 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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Protein Sequence:

>MR231812 representing NM_001290714
Red=Cloning site Green=Tags(s)

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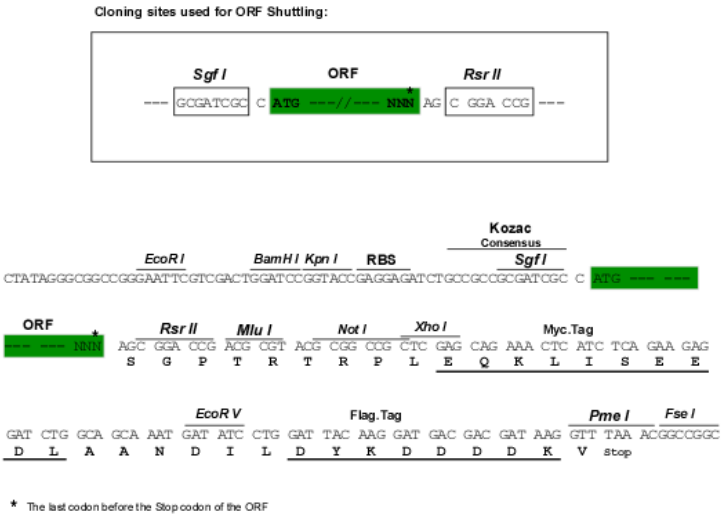
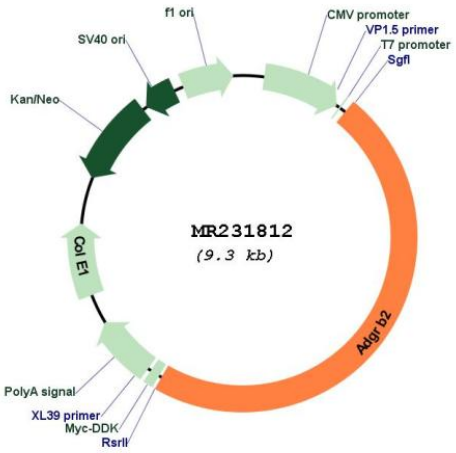
Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001290714
ORF Size:	4419 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001290714.2
RefSeq Size:	5185 bp
RefSeq ORF:	4422 bp
Locus ID:	230775
UniProt ID:	Q8CGM1
Cytogenetics:	4 D2.2
MW:	161 kDa
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]