

Product datasheet for MC224714

Adgrb1 (NM_174991) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adgrb1 (NM_174991) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adgrb1
Synonyms:	B830018M07Rik; Bai1; mKIAA4089; R75078
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224714 representing NM_174991 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAGGGGCCAGGCTGCTGCCCCGGGCCCCATCTGGATCCTTGCTCCACTCCTGCTGTTACTATTGCTAT
TGGGGCGCTGGGCGCGCTGCCTCTGGGGCAGACATAGGGCCTGGGACAGAGCAGTGCACCACGTTGGT
GCAGGGAAAGTTCTTCGGCTACTTCTCGCGGGCTGCTGTATTTCCGGCCAACGCCTCACGCTGCTTTGG
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GCGGCCCCGCGCGAGTTCGTACCTACCAGTTTCGACTCTTTCTTGGAGTCTACACGCACCTACCTGGGTG
GGAGAGCTTTGACGAAGTTCTGCGGCTCTGCGATTCTCTGCACCCTCGCCTTTCTACAGGCCAGCAAA
CAGTTTCTACAGATGCAACGCCAACAGCCACCCCAAGACGGTGACCTCGGACCCAGGGCGAGTTCCCA
GCTCTAGTGACGACTTCTCCGTGGAGTACCTGGTGGTGGGCAATCGCAACCCAGCCATGCTGCCTGTCA
GATGCTGTGTGCTGGCTGGATGCCTGTCTAGCCGGCAGCCGAGCTCACACCCCTGTGGCATCATGCAG
ACTCCCTGCGCCTGCCTGGTGGAGATGTTGGAGACCTGCTTCCAGCCCTTGGTCCCCGTGGGGAGC
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GCACGGCTCAGCAGGTGGCTGAAAAGTGTGGTCCCTTGTGGGGCGAATGTACGCGGACTGCGGGGGAGGC
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AAGAAGTTCGCTGTGCAATCGCAAGGCCTGCGGTCCCCTGGGCGCAGCAGCTCACGGAGCCAGTCCCT
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ACCCGAGAGTGAATGGTCCCTATGAGGGCGCTGAGTGCCAGGGCCACTGGGTGGAGACTCGAGACT



GCTTCCTGCAGCAATGCCAGTGGATGGCAAATGGCAGGCCTGGGCCTCATGGGGCAGCTGCAGCGTCAC
 ATGTGGAGGTGGAAGCCAGCGACGGGAGCGTGTCTGCTCTGGGCCTTTCTTTGGGGGAGCAGCCTGCCAG
 GGGCCCCAGGACGAGTACCGACAGTGTGGCGCTCAACGATGTCCTGAGCCCCATGAGATTTGTGATGAGG
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 TGCCACAGGCCTCATCTGCGCCGCTGTGAGCTGGACGAGGAGGGCATCGCTTCTGGGAGCCGCCACC
 TACATCCGCTGCGTCTCCATCGACTACCGGAACATCCAGATGATGACCCGAGAACACCTGGCAAAGGCTC
 AGCGGGGCTGCCAGGGAGGGGTCTCAGAGGTATCCAGACACTGCTGGAGATCTCACAGGATGGCAC
 CAGCTACAGCGGGACCTGCTCTCCACCATTTGATGTCCTGAGGAACATGACAGAGATTTTCCGAGGGCT
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 CTTTGTGGATGTCATCGGCTTCCGCATGAAGGATTTGAGGGATGCCTACCAGGTGACAGACAATCTGGTG
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 AGAAGCTGACGATTCATCTGTGTTGTTGTTGGTACTGTGCTCTACCGAACTTGGGCAGCTTCTGGCC
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 CCAAGGGCTACAGCACCATGAACTATTGCTGGCTCCTCCTGGAGGGGGGACTTCTGTATGCCTTCGTGGG
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 CCTTTCGCTGTCTTGGACTCACTGGAGGGCTTCGTATCGTGTGGTGCATGCTGCTGCTGCTGCTGCTG
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 TCCAGAACGGCCATGCCAGCTCATGACCGACTTTGAGAAGGATGTGGATCTGGCCTGTAGATCAGTGT
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 GAGGAGAAGATGAAGCTGGCCAAGGGCCACCCCCACCTTCAACAGCCTGCCAGCTAATGTGTCCAAGC
 TGCACCTGCACGGTTACCCCCGCTATCCTGGTGGGCCACTGCCTGACTTCCCTAATCACTCACTACCCCT
 CAAAAAGGACAAGGCCCCCAAGTCTTTTATTGGCGATGGGGACATCTTAAAGAACTGGACTCCGAG
 CTGAGCCGAGCCAGGAGAAGGCTCTGGACACGAGCTACGTGATCCTGCCACGGCCACGGCCACTCC
 GGCCAAACCAAGGAGGAACCCAAATACAGCATCAACATTGACCAGATGCCCAAAACCCGCTCATCCA
 CCTTAGCATGGCACCTGATGCCAGTTCCTACCCGAAGCCACCTGCCCGTGGAGCCCAAGGTGGTGA
 CCCCCTGAGGTGCCCTGTCCAGCCCCACCACCGCCACCTCCACCACCCCTCCACCCCAACAGCCCCA
 TACCCCCACCACCACCTGGAGCTGCACCTCCAGCCTGGGGGACACGGGGGAGCCTGCGGCCACCC
 GGGACCCAGTTACAGTGTGGGGCAAGAATGAGAACGTGGCCACCTTGTGAGTGTGCTCTGAGGCGG
 CGGAAATCACGGTATGCAGAACTGGACTTTGAGAAGATCATGCACACCGGAAGCGACACCAAGACATGT
 TCCAGGACCTGAACCGAAGCTGCAGCATGCGGCTGAGAAGGAGAAGGAGGTGCCAGGCGCAGACAGCAA
 GCCAGAGAAGCAGCAGACTCCCAACAAGAGGGCTGGGAGAGCCTCCGCAAGCCCCACGGGACGCTGCC
 TGGGTAAGGAGGAGCTGGAGCCACTGCCCCGCTCCTCACTGGAGCTGCGGAGCGTAGAGTGGGAGAAGG
 CGGGTCCACCATCCCACTGGTTGGCCAGGACATCATTGACCTCCAGACCGAGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_174991

Insert Size:	4749 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).
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:	NM_174991.3 , NP_778156.2
RefSeq Size:	6227 bp
RefSeq ORF:	4749 bp
Locus ID:	107831
UniProt ID:	Q3UHD1
Cytogenetics:	15 D3
Gene Summary:	<p>Phosphatidylserine receptor which enhances the engulfment of apoptotic cells (PubMed:17960134). Also mediates the binding and engulfment of Gram-negative bacteria (PubMed:21245295, PubMed:26838550, PubMed:26838550). Stimulates production of reactive oxygen species by macrophages in response to Gram-negative bacteria, resulting in enhanced microbicidal macrophage activity (By similarity). In the gastric mucosa, required for recognition and engulfment of apoptotic gastric epithelial cells (By similarity). Promotes myoblast fusion (PubMed:23615608). Activates the Rho pathway in a G-protein-dependent manner (By similarity). Inhibits MDM2-mediated ubiquitination and degradation of DLG4/PSD95, promoting DLG4 stability and regulating synaptic plasticity (PubMed:25751059). Required for the formation of dendritic spines by ensuring the correct localization of PARD3 and TIAM1 (By similarity). Potent inhibitor of angiogenesis in brain and may play a significant role as a mediator of the p53/TP53 signal in suppression of glioblastoma (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>