

Product datasheet for **MC224647**

Adgrb3 (NM_175642) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adgrb3 (NM_175642) Mouse Untagged Clone
Tag: Tag Free
Symbol: Adgrb3
Synonyms: A830096D10Rik; Bai3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224647 representing NM_175642
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGGCTGTTCTGTAACCTGCTGATTTATATATTTTTCCACCTATCTCCTGGTTATGTTGGATTTAATG
 CTGCCAAGACTTCTGGTGTCCACTTTGGTGAAGGGAGTCATTTATGGATCCTATTCTGTAAGTGAAT
 GTTTCCAAAACTTTACAACTGCACCTGGACACTGGAAAATCCAGATCCAACCAAATATAGCATTAC
 CTGAAATTTTCCAAAAAGGACCTTAGCTGCTCTAACTTTCCCTTCTGGCTTATCAGTTTGATCATT
 CCCATGAAAAAATAAAGGATCTTTTGAGAAAGAACCATTCCATAATGCAACTTTGCACTTCCAAGAATGC
 TTTTGTGTTTCTACAGTACGATAAAAAATTCATTACAGTACGCCGGTATTTCCAAGTATTTCCAGGA
 TTACAGAAAAAGTCGAAGAGGATCAGAAATCTTTTTTGGTACTGAACAAGGTGAGCCCGA
 GCCAGTTGGTTGCCATGTCTTATGCACCTGGTTGAAAGCTGCTTAAAAATCCGAAAATGGGAGAACCGA
 GTCTTGTTGGAATTATGTACACAAAATGCACGTGCCCCAGCACTGGGAGAGTGGGGAATAGATGACCAG
 TCCCTGGTCTGTAAATAACGTCGTGTTACCCCTGAATGAGCAGACGGAGGGTGCCTGACTCAGGAGC
 TGCAAACTACTCAAGCTGCAATCTGACCAGGGAGCCAAAGAGACCACCCAAAGAAGAAATTTGGAATGAT
 GGGAGATCATAACAATTAAGTACGACCTCGATCTGTCCATGAGAAAAGGGTCCCTCAGGAACAAGCT
 GATGCTGCTAAATTTATGGCACAACCTGGTGAATCTGGTGTGGAAGAGTGGTCCCAGTGGAGCGCATGCT
 CAGTTACTTGTGGTCAAGGGTCGCAGGTGCGAACCAGAATTTGTATCACCTTACGGGACACACTGCAG
 CGGCCATTAAAGAGAATCAAGGGTTTGAATAACACTGCCCTCTGTCCAGTACATGGAGTTTGGGAGGAA
 TGGTCACCTTGGAGCTTATGCTCCTTACATGTGGCCGAGGCCAAAGAACACGAACCAGGTCATGCACAC
 CTCCTCAGTATGGAGGAAGGCCCTGTGAGGACCTGAACTCATCACAAGCCTTGAATATTGCCCTCTG
 TCCAGTTGACGGACAGTGGCAGGAATGGAGTTCATGGAGCCACTGCTCAGTGACATGTTCTAATGGGACA
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 TTCCAAGTCTGTGATGGTGGCTGGGAGAGGAGAATGAGGACTTGTGAGGGCGCAGCTGTAAACAGGACAG
 CAGTGTGAAGGCACAGGTGAAGAGGTACGAAGTGCAGTGAGCAGCGGTGCCAGCACCTTATGAAATAT



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GCCCAGAGGATTATCTTATATCAATGGTGTGAAAAGGACTCCTGCAGGCGACCTGGCATTCAATCAATG
TCCACTGAATGCCACAGGCACCACTAGCAGACGCTGCTCTCTCAGTCTTCATGGAGTGGCCTCCTGGGAA
CAGCCGAGCTTTGCAAGATGCATATCCAATGAGTACAGACACTTGCAGCATTCAATTAAGAGCACCTTG
CGAAGGGGCAGCGGATGCTGGCAGGTGATGGAATGTCCCAGGTACCAAGACACTATTGGATTTAACCCA
GAGGAAAAATTTCTATGCAGGTGACCTTCTGGTGTCTGTGAAAATCCTGAGAAAATGTGACAGACAGTTT
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GATTGAAGATTTTATACACATTGTTGGAATGGGGATGATGGACTTTCAAAATTCATACCTAATGACTGGA
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GCCGAAAAGGAATGGTAGACTGGGCAAGAAATTCAGAAGATCGCGTTGTGATTCCAAAAGCATTTCAC
TCCCGTGTCTTCAAAAAGAAATAGATGAATCATCTGTTTTGTTCTTGGAGCGGTCTATACAAAACCTTA
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ATATTGCGTGTATGGGATGACTCAAAATCGAACGAGTCTTGGGAACGTGGTCCACCCAGGGATGTA
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AGCAACCTAGAGAAAATAGTCATGGAATCCTCTGGTACCCCTCAGTTACCTCATAGTAGGCAGTGGCCT
CTCCTGCCTGGCCTTGATAACTCTAGCAGTTGTGTACGCAGCACTATGGAGGTATATTGCTCTGAGAGG
TCCATCATTCTAATTAACCTTCTGCCTGTCTATCATCTCATCCAATATCCTCATACTGGTTGGACAGACTC
AGACACACAATAAGAGCATCTGCACGACCACCACCGCTTCTGCATTTTTTCTTCTGGCTTCAATCTG
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CGAAAGGATACGGCACGGATCACTACTGCTGGTGTCTCTAGAAGGAGGACTGCTCTATGCCTTCCGTTGG
ACCTGCAGCGGTGTTGTCTGGTCAACATGGTATTGGCATTGTTGATTTAATAAACTGTTTCCAGA
GATGGGATCCTAGATAAAAAGCTAAAACACAGAGCCGGTCAGATGAGTGAGCCTCATAGCGGTCTGACGC
TCAATGTGCCAAGTGTGGAGTGTCTACAACAGCTTGTGACGCCACCACCGCAGTAACGCCATGGC
CTCTTTTGGAGCTCCTGTGTGGTGTACCGCTTCTGGCTCTGACATGGATGTCTGCAGTTCTGGCCATG
ACAGATAAACGCTCCATATTGTTTCAGATACTTTTGGCGTGTGATTACATTACAAGGCTTTGTGATAG
TCATGGTCCACTGCATTCTCGGAGAGAGGTTCAAGATGCATTTAGATGCCGTTGAGAACTGCCAGGA
TCCAATCAATGCTGATTCTCAAGTTCTTTTCTAATGGACATGCTCAAATCATGACAGACTTTGAAAAG
GACGTAGACATTGCTTCCGATCAGTGTCTATAAGGATATCGGCCCTGCCGCGCAGCAACCATAACAG
GAACACTCTCCAGGATTTCTCTAATGATGATGAGGAAGAAAAGGGAACAAACCTGAAGGGCTAAGCTA
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AGTATGAACGAGCTAAGCAATCCGTGTCTGAAAAAAGAGAACACTGAACTGCGGAGAAGTGTGACTTAT
GCACGGATGACAATCTGAGAGGGGCGGATATGGACATTGTCCACCCCAAGAACGAATGATGAAAAGTGA
CTATATTGTGATGCCTAGAAGTTCTGTAAGCACCAGCCATCAATGAAAGAGGAGAGCAAGATGAATATT
GGCATGAAAACCTTCCGCATGAAAGGCTATTACACTACAAAGTAAACCTGAATTCAATATGAATCCCC
CCGTAATGGACAGTTTAAATATGAACTTAGATCAGCATCTGCACCCAGGAACATATGCAGAATTTACC
CTTTGAGCCTCGCACAGCTGTGAAGAATTCATGGCCTCTGAGTTGGATGATAATGTGGGACTGTCAAGA
AGTGAAACTGGATCAACGATATCAATGAGTTCTCTAGAGAGAAGAAAATCGCGGATTCTGACCTTGACT
TTGAGAAGGTCATGCACACAAGGAAGAGGCACATGGAATGTTTTAGGAACTAAATCAGAAGTTTCAGAC
TTTGGACAGATTTCCGGACATACCAAAACAAGCAGTATGAAAAACCCAGCACCAAAACAAGAAATCCATGG
GACACTTTCAAACCCCCAGTGAATACCAACATTAACCCACAATCAATGTCTTAGACACGGAGGCAAAAGG
ATACTCTGGAGCTGAGGCCGGCCGAGTGGGAGAAGTGTCTGAATTTGCCTCTGGATGTGCAAGAGGGTGA
TTTTCAACAGAAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_175642
Insert Size: 4569 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_175642.4 , NP_783573.4
RefSeq Size:	5522 bp
RefSeq ORF:	4569 bp
Locus ID:	210933
UniProt ID:	Q80ZF8
Cytogenetics:	1 A5
Gene Summary:	Receptor that plays a role in the regulation of synaptogenesis and dendritic spine formation at least partly via interaction with ELMO1 and RAC1 activity (PubMed:23628982). Promotes myoblast fusion through ELMO/DOCK1 (By similarity).[UniProtKB/Swiss-Prot Function]