

Product datasheet for **MC216246**

Adrb1 (NM_007419) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adrb1 (NM_007419) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adrb1
Synonyms:	Adrb-1; beta-AR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NM_007419.2
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCGCGGGGCGCTCGCCCTGGGCGCTCCGAACCCTGCAACCTGTGTCGCCGCGCCGCTGCCCCG
ACGGTGCAGCCACCGCGCGCGGCTGCTGGTGCTCGCGTCGCTCCCGCCTCGCTGCTGCCAGCCAG
CGAGGGCTCAGCGCCGCTGTCGACGAGTGACCGCGGGTATGGGCTACTGCTGGCGCTCATCGTTCTG
CTCATCGTGGTGGTAACGTGCTGGTGATCGTGGCCATCGCCAAGACCCCGCGGCTGCAGACGCTACCA
ACCTCTTCATCATGTCCCTGGCCAGCGTGATCTGGTCATGGGATTGCTGGTGGTGCCTTCGGGGCCAC
CATCGTGGTGTGGGGCCGCTGGGAGTACGGCTCCTTCTTCTGCGAGCTCTGGACTTCGGTAGATGTGCTG
TGTGTGACGGCCAGCATTGAGACCCTGTGTGCATCGCCCTGGACCGCTACCTCGCCATCACGTCGCCCT
TTCGCTACCAGAGTTTGTGACGCGCGCGAGCGGGCCCTCGTGTGCACAGTGTGGCCATCTCGGC
GTTGGTGTCTTCTGCCATCCTCATGCACTGGTGGCGGGCCGAGAGCGACGAAGCGCGCCGCTGTAC
AACGACCCCAAGTGTGCGATTTTCGTACCAACAGGGCCTACGCCATCGCCTCGTCCGTCGTCTCCTTCT
ACGTGCCCTGTGCATCATGGCCTTCGTGTACCTGCGGGTGTTCGCGAGGCCAAAAACAGGTAAGAA
GATCGACAGCTGCGAGCGCCGCTTCTCGGCGGCCAGCCGGCCGCCCTCGCCTGAGCCCTCGCCGTCA
CCTGGGCCACCGCGCCCGCAGACTCGCTGGCCAACGGGCGCTCCAGCAAGCGCGGCCGCTCGCGCCTCG
TGGCTCTGCGCGAGCAGAAGGCGCTCAAGACACTGGGCATCATCATGGGTGTGTTACGCTCTGTGGT
GCCCTTCTTCTGGCCAACTGGTGAAGGCTTCCACCGCGACCTGGTCCGGATCGCCTCTTCGTCTTC
TTCAACTGGCTGGGCTACGCCAACTCGGCTTCAACCCATCATCTACTGCCGAGCCCGACTTCCGCA
AGGCTTTCAGCGCCTGCTCTGCTGCGCGCGCGGGCCGCTGCAGACCGCGCGCAGCCACGGGGACCG
GCCGCGCGCCTCCGGCTGCCTGGCGAGAGCTGGGCGCCGCGCCTCCCGGAGCTCCCTCGGACGACGAC
GACGACGACCGCGGACACCCACCGCGCGCCTGCTGGAGCCCTGGACCGGCTGCAACGGCGGGACAA
CCACTGTGGACAGCGATTGAGCCTGGACGAGCGGGGCCAGGGCTTCTCCTCGGAGTCCAAGGTGTA
G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1464_b05.zip

Restriction Sites: SgfI-MluI

ACCN: NM_007419

Insert Size: 1401 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:

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_007419.2](#), [NP_031445.2](#)

RefSeq Size: 2491 bp

RefSeq ORF: 1401 bp

Locus ID: 11554

UniProt ID: [P34971](#)

Cytogenetics: 19 51.96 cM

Gene Summary: Beta-adrenergic receptors mediate the catecholamine-induced activation of adenylate cyclase through the action of G proteins. This receptor binds epinephrine and norepinephrine with approximately equal affinity. Mediates Ras activation through G(s)-alpha- and cAMP-mediated signaling (By similarity).[UniProtKB/Swiss-Prot Function]