

Product datasheet for **MC201368**

Adrb2 (NM_007420) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adrb2 (NM_007420) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adrb2
Synonyms:	Adrb; Adrb-2; Bad; Badm; Gpc; Gpcr7
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC032883 sequence for NM_007420
 CAGGCATT CAGGCTGCGGCTGCAGGCACCGGAGCCCGGAGCACCACGAGCTGAGTGTGCAGGACGCAC
 CCCAGCACAGCCACCTACGGCCGCTGAATGAAGCTTCCAGGAGTCCGCCCCCGGCCGGCTGCGCCCCGTC
 GGAGGTGCACCCGCTGAGAGCGCTGGGCACCGAAAGCCGGTGCCTCACCTGCTAACCTGCCAGCCATG
 GGGCCACACGGGAACGACAGCGACTTCTTGCTGGCACCAACGGAAGCCGAGCGCCAGACCACGACGTCA
 CTCAGGAACGGGACGAAGCGTGGTGTGGGCATGGCCATCCTCATGTCGGTTATCGTCTGGCCATCGT
 GTTTGGCAACGTGCTGGTCATCACAGCCATTGCCAAGTTCGAGCGACTACAAACCGTACCAACTACTTC
 ATAATCTCCTTGGCGTGTGCTGATCTAGTCATGGCCTAGCGGTGGTCCGTTTGGGGCCAGTACATCC
 TTATGAAAATGTGGAATTTTGGCAACTTCTGGTGCAGTTCTGGACTTCCATTGATGTGTTGTGCGTCAC
 AGCCAGCATCGAGACCCTGTGCGTGATTGCAGTGGATCGCTATGTTGCTATCACATCGCCCTTCAAGTAC
 CAGAGCCTGTGACCAAGAATAAGGCCGAGTGGTCATCCTGATGGTATGGATTGTATCTGGCCTTACCT
 CCTTTTGGCTATCCAGATGCACTGGTACCGTGCACCCACAAGAAAGCTATCGATTGTTACACCGAGGA
 GACTTGTGTGACTTCTCACGAACCAGGCCTACGCCATCGCTCCTCGATTGTGTCTTTCTACGTGCC
 CTGGTGGTGTGTTTGTCTATTCCTGGTCTTCCAGGTGGCCAAAAGGCAGTGCAGAAGATAGACA
 AATCTGAAGGAAGATTCCACGCCAAAACCTCAGCCAGGTGGAGCAGGATGGGCGGAGCGGCCACGGACT
 CCGAAGGTCTCAAGTTCTGCTTGAAGAGCACAAAGCCCTCAAGACTTTAGGCATCATCATGGGCACA
 TTCACCCTCTGCTGGCTGCCCTTCTTATTGTCAATATCGTGCACGTTATCAGGGACAACCTCATCCCTA
 AGGAAGTTTACATCCTCCTTAACTGGTTGGGCTACGTCAACTCTGCCTTCAATCCTTATCTACTGTGCG
 GAGTCCAGATTTT CAGGATTGCCTTTCAAGAGCTTCTGTGCCTTCGAGGTCTTCTCGAAAACCTATGGG
 AACGGCTACTCTAGCAATAGCAACGGCAGAACGGACTACACAGGGGAGCCAAACACTTGTGAGCTGGGGC
 AGGAGAGAGAACGGAAGTGTGTGAGGATCCCCAGGCATGGAAGGCTTTGTGAAGTGTCAAGGTAC
 TGTGCCTAGCCTTAGCGTTGACTCCCAAGGAAGAACTGTAGTACAAATGACTCGCCACTGTAATAACAGG
 CTTTCTACTCTTAAGACCCCTCCTTGACAGGACACTAACAGACTATTTAACTTGAGTGAATAACTTT
 AGAATAAAATTTGATAGAGATTTGCAGAAGGGGAGGCACATCCTTCTGCCTTTTTTTAAATTTTATTTTA
 TTTTTTAAAGCTGCAACAAGAGAGAGAACTGTATTTGAGTGCTTATTGTTTTTCTGTATAGTTCAGTTC
 CTCTTTGTATGGAACCTAAAGGTTTCTGTCTGAAGAGTGTGGTCTGGAGGACTGAGTCTGTCTGTCTG
 TCTGTCTGGATGATGTTTTATGTATCTACCTCACTGGTCAAGTATTAAGAATGATATATATTGCTGCTG
 GAAATCCATATCTAAAGGAGAGAGTTTTCTTCTGTACCCTTGGACTTGAATATCCTGTGTCTTGGACC
 TTTCTGTGTGACAATGGGCCCTTCTCTCACTCCACTATTTACTCAAATGGAGTGTTCGAGGCAGG
 GATTTGAGGGACAACATCAGTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGCT
 TTGGTTTGTGTTGTTTTTGGGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGCT
 GAGAAAAGTCTAAAGTTTACAGTAAATAAATTGTTTAAACCATGAAAAAAAAAAAAAAAAAAAAAAAAAAA AAA

- Restriction Sites:** EcoRI-NotI
- ACCN:** NM_007420
- Insert Size:** 1257 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: [BC032883](#), [AAH32883](#)

RefSeq Size: 2173 bp

RefSeq ORF: 1257 bp

Locus ID: 11555

UniProt ID: [P18762](#)

Cytogenetics: 18 35.1 cM

Gene Summary: This intronless gene belongs to the G-protein-coupled receptor superfamily, which includes transmembrane proteins that play a role in signal transduction across biological membranes resulting in a variety of physiological responses. The encoded protein is a beta-2 adrenergic receptor which is activated by catecholamine ligands such as adrenaline and epinephrine. The protein participates in the classical signaling pathway involving G protein, adenylyl cyclase, cAMP (3'-5'-cyclic adenosine monophosphate) and protein kinase A (PKA). In humans, this gene is implicated in susceptibility to nocturnal asthma, obesity and type 2 diabetes. [provided by RefSeq, Apr 2013]