

## Product datasheet for **RN212850**

### **Adrb1 (NM\_012701) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Adrb1 (NM_012701) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adrb1
Synonyms:	B1AR; RATB1AR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN212850 representing NM\_012701  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGCGCGGGGCGCTCGCCCTGGGCGCTCCGAACCCCTGCAACCTGTGTCGCGCCGCGCCGCTGCCCC  
 ACGGCGCGGCCACCGCGCACGACTGCTGGTGCTCGCGTCGCCTCCCGCCTCGCTGCTGCCAGCCAG  
 CGAGGGCTCAGCGCCGCTGTCGACGAGTGGACCGGGTATGGGCTACTCCTGGCGCTCATCGTGCTG  
 CTCATCGTAGTGGCAACGTGTTGGTGATCGTGGCCATCGCCAAGACCCCGGGTGCAGACGCTACCA  
 ACCTCTTCATCATGTCCCTGGCCAGCGCCGATCTGGTCATGGGACTGCTGGTGGTGCCTTTCGGGGCCAC  
 CATTGTGGTGTGGGGCCGCTGGGAGTACGGCTCCTTCTTCTGTGAGCTCTGGACTTCGGTAGACGTGCTA  
 TGTGTGACGGCCAGCATCGAGACCCTGTGTGCATCGCCCTGGACCGCTACCTCGCCATCAGCTGCCCT  
 TTCGCTACCAGAGCCTGCTGACGCGCGCGAGCGGGCCCTCGTGTGCACAGTGTGGCCATCTCCGC  
 GCTGGTGTCTTCTGCCATCCTCATGCACTGGTGGCGGGCCGAGAGCGACGAAGCGCGCCGCTGTAC  
 AACGACCCCAAGTGTGCGATTTTCGTACCAACCGGGCCACGCCATCGCCTCGTCCGTCGTCTCCTTCT  
 ACGTGCCCTGTGCATCATGGCCTTCGTGTACCTCCGGGTGTTCCGCGAGGCCAGAAACAGGTGAAGAA  
 GATCGACAGCTGCGAGCGCCGCTTCTCACGGGCCCGCCCGGCCGCTCGCCCGCGCCCTCGCCATCA  
 CCAGGGCCACCGCGCCCGCAGACTCGCTGGCCAACGGGCGCTCCAGCAAGCGCGGGCCGTCGCGCCTCG  
 TGGCTCTGCGAGAGCAGAAGGCGCTCAAGACACTGGGCATCATCATGGGTGTGTTACGCTCTGTGGCT  
 GCCCTTCTTCTGGCCAACTGGTAAAGCTTTCACCGCGACCTGGTCCGGATCGCCTTTCGTCTTC  
 TTCAACTGGCTGGGCTACGCCAACTCGGCCTTCAACCCCATCATCTACTGCCGAGCCCCGACTTCCGCA  
 AGGCTTTCAGCGCCTGCTTTGCTGCGCGCGCCGGCCGCTGCAGACCGCGCAGCCACGGGGACCG  
 GCCGCGCGCCTCGGGCTGCCTGGCGAGAGCTGGGCGCGCCGCTCCCGGGGCTCCTTCGGACGACGAC  
 GACGATGACGCCGGGCCACCCACCGCGCGCCTGTTGGAGCCCTGGGCGGGTGAACGGCGGGACGA  
 CCACTGTGGACAGCGATTCGAGCCTGGACGAGCGGGACGCCAGGGCTTCTCCTCCGAGTCCAAGGTGTA  
 G

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1338\\_a02.zip](https://cdn.origene.com/chromatograms/ja1338_a02.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_012701

**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\\_012701.1](#), [NP\\_036833.1](#)

**RefSeq Size:** 1401 bp

**RefSeq ORF:** 1401 bp

**Locus ID:** 24925

**UniProt ID:** [P18090](#)

**Cytogenetics:** 1q55

**Gene Summary:** binds beta-adrenergic receptor agonists isoproterenol, norepinephrine, and epinephrine; mediates adenylylcyclase induction; involved in regulation of calcium current [RGD, Feb 2006]