

## Product datasheet for **MR230334**

### **Adra1b (NM\_001284380) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Adra1b (NM_001284380) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adra1b
Synonyms:	[a]1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR230334 representing NM\_001284380  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAATCCCGATCTGGACACCGGCCACAACACATCAGCACCTGCCCACTGGGAGAGTTGAAAGATGCCA  
 ACTTCACTGGCCCAACCAAGACCTCGAGCAACTCCACACTGCCCACTGGACGTACCAGGGCCATCTC  
 TGTGGGCTGGTCTGGGCGCCTTCATCCTCTTTGCCATCGTGGGCAACATCTTGGTCATCCTGTGGTG  
 GCCTGCAACCGGCACCTGCGGACGCCACCAACTACTTATTGTCAACCTGGCCATTGCTGACCTGCTGT  
 TGAGTTCACAGTCTGCCCTTCTCCGCTACCCTGGAAGTGTCTGGTACTGGGTCTGGGGCGCATCTT  
 CTGTGACATCTGGGACGGTGTGATGTCTGTGTGCACGGCCTCCATCCTGAGCCTATGTGCCATCTCC  
 ATTGACCGCTACATTGGGGTGGGATACTCTCTGCAGTACCCACGCTGGTACCCCGAGGAAGGCCATCT  
 TGGCGCTCCTCAGTGTGGGTCTTGTCCACGGTCATCTCCATCGGGCCTCTCCTTGGATGGAAAGAACC  
 TGGCCCAATGACGACAAAGAATGTGGGTACAGAAAGACCCTTCTACGCCCTCTTTCTCCCTGGGC  
 TCCTTCTACATCCCACTGGCGGTATCCTGGTCACTGACTGCCGAGTCTACATCGTGGCCAAGAGGACCA  
 CCAAGAATCTGGAGGCGGGAGTCATGAAGGAAATGTCCAACCTCCAAGAGCTGACCTGAGAATCCACTC  
 TAAGAATTTTATGAGGACACCTCAGCAGTACCAAGGCCAAGGGCCACAACCCAGGAGTTCATAGCT  
 GTCAAACCTTTTAAAGTTCTCCAGGAAAAGAAAGCAGCCAAAACCTTGGGCATTGTAGTCGGAAATGTTCA  
 TCTTATGTTGGCTCCCCTTCTTCATCGCTCTCCCACTTGGCTCCCTGTTCTCCACCCTAAAGCCCCGGG  
 CGCCGATTCAAGGTAGTGTCTGGTGGGCTACTTCAACAGTGCCTCAACCCCATCATCTACCCGTGC  
 TCCAGCAAGGAGTTCAAACGCGCCTTATGCGTATCCTGGGTGCCAGTCCCGGGTGGCGTCCGCGCC  
 GCCCGCTCGCGTCTAGGAGGCTGCGTTACACCTACCGCCGTGGACCCGCGGGCTCGCTGGAGAG  
 GTCGCAGTCCGGAAGGACTCTCTGGATGACAGTGGCAGCTGCATGAGCGGACCCAGCGGACCCCTGCC  
 TCGGCGTACCCAGCCGGGATACCTGGTCTGGAACGACGCCACCCGTGGAGCTGTGCCCTTCCCCG  
 AGTGGAAACCCGGAGCGCTGCTCAGCCTGCCAGAGCCTCTGGCCGCGGGCCGCTCGACTCCGGGCC  
 ACTCTTCACTTTCAAGCTCCTGGGCGAGCCTGAGAGCCCGGGACCGAAGGCGACCCAGCAATGGGGC  
 TGCGACACCACAACCTGACCTGGCCAACGGGCGAGCCGGCTTCAAGAGCAACATGCCCTGGCGCCGGGC  
 ACTTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230334 representing NM\_001284380  
 Red=Cloning site Green=Tags(s)

MNPDLDTGHNTSAPAHWGELKDNFTGPNQTSNSTLPQLDVTRAI SVGLV LGAFILFAIVGNILVILSV  
 ACNRHLRTPNYFIVNLA IADLLL SFTVLPFSATLEVLGYWVLRIFCDIWA AVDLCCASILSLCAIS  
 IDRYIGVRYSLQYPTLVTRRKAILALLSVVWLSTVISIGPLLGWKEPAPND DKECGVTEEPFYALFSSLG  
 SFYIPLAVILVMYCRVYIVAKRRTKNLEAGVMKEMSNSKELTLRIHKNFHEDT LSSKAKGHNPRSSIA  
 VKLKF SREKKA AKTLGIVVGMFILCWLPFFIALPLGSLFSTLKPDAVFKVFWLGYFN SCLNPIIYPC  
 SSKEFKRAFMRILGCQCRGRRRRRRRLGGCAYTYRPWTRGGS LERSQSRKDSLDDSGSCMSGSQRTL P  
 SASPSPGYLGRGTQPPVELCAFPEWKPGALLSLPEPPGRRGR LDSGPLFTFKLLGEPESPGTEGDASNGG  
 CDTTTTDLANGQPGFKSNMPLAPGHF

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001284380

**ORF Size:** 1545 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001284380.1](#), [NP\\_001271309.1](#)

**RefSeq Size:** 3226 bp

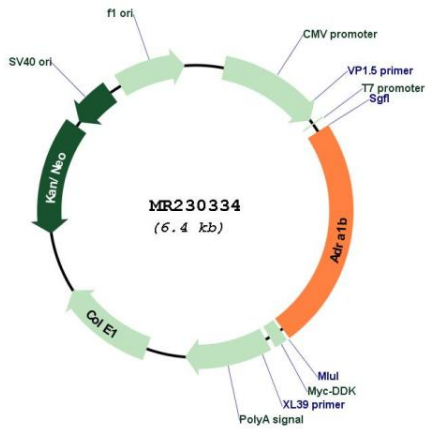
**RefSeq ORF:** 1548 bp

**Locus ID:** 11548

**Cytogenetics:** 11 25.81 cM

MW: 56.5 kDa

Product images:



Circular map for MR230334