

## Product datasheet for **RN211937**

### Adarb2 (NM\_133302) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adarb2 (NM_133302) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adarb2
Synonyms:	Adar3; Red2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN211937 representing NM\_133302  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCATCTGTCCTGGGAGTGGCAGAGGGTCTGGAGGGCTAAGCAGTCAGCTCAAATGCAAGTCCAAGA  
 GGAGAAGGAGGAGAAGGTCCAAGAGGAAAAGACAAAGTCAGCATACTGTCAACCTTCCTCGCTCCTTTCAA  
 GTACCTAAGTCCTGGCACCACAAACACGGAGGATGAAGACAATCTGAGTACCAGCAGTGTGAAGTGAAA  
 GAAAACCGAAATGTGAGCAACCTTGGGACCAGGCCCTGCCCCCTGGAGACTGGGCCAGAGGCGGCAGCA  
 CACCCAGCGTTAAAAGGAAAAGGCCGCTGGAGGAAGGAAATGGGGGACATTTCTGCAAATGCAGCTGAT  
 CTGGAAAAAATCTCCTGGTCTATGACACCAAGAATGCGCTGGTCCAGCTACATGAGCTGAAGCCGGGT  
 CTTAGTACCGGATGGTGTACAGACTGGCCAGTGCACGCCCAGTTTTCGCCGTGGTGTAGAAGTAA  
 ACGGGCTCACGTTTGAAGGCACGGGCCCCACTAAGAAGAAGGCCAAGATGCGGGCAGCAGAGATGGCCCT  
 GAAGTCCTTCGTGCAGTCCCCAATGCATTCCAGGCCACCTGGCTATGGGCAGTAGTACCAGTCCGTGC  
 ACTGACTTCACCTCTGACCAAGCTGACTTCCCAGACACGTTGTTCAAGGAGTTCGAACCATCCTCAAGAA  
 ACGAGGATTTCCCGGGTGTGTGCCGTTGACACTGAGTTTCTGTCTCTGCCTACCGGCCAGGACGGCT  
 GCTCTACCACACACTGGACCTCATGGGCCAGGCTCTGCCTGACAGGTCCAGGCTGGCTCCAGGGGCACTG  
 GGTGAGAGAAAACCTGTAGTGGTGTGAATGAATTACGCTCAGGTCTTCGGTATGTGTGCCTCTCCGAGA  
 CAGCCGAGAAGCCCCGAGTCAAGAGCTTTGTGATGGCTGTGTGCGTGGACGGGAGGACGTTTCAAGGCTC  
 TGGACGCAGTAAGAAGCTGGCCAAGGGCCAAGCAGCACAAGCTGCCTTGCAGGCCCTCTTCGACATCCGG  
 CTGCCAGGTCACATACCCAGCAGGAGTAAAAGCAAACCTTTGCCACAGGATTTTGCAGACTCTGTGTCTC  
 AGCTGGTCACACAGAAGTCCGTGAACGACAGTCCGGCTGACATCTGTGTATGCCCGCCACAAAACAT  
 GGCAGGAATCGTCATGACCAAAGGCTTGGACACCAAACAAGCACAGGTCATCGTTCTGTCTCTGGGACC  
 AAGTGTATCAGCGGTGAGCACATCAGTACCAGGGGCTGGTTGTCAACGACTGTCACGCTGAGATTGTGG  
 CAAGGCGAGCATTTCTTCACTTCTCTACACTCAGCTGGAGCTGCACTTGAGCAAGCATCAAGAGGACCC  
 CGAGAGATCAATATTCATCCGTGTAAGGAAGGAGGCTACAGGCTGCGAGAAAACATCCTCTCCACCTC  
 TACGTGAGCACATCCCCTTGTGGAGACGCCAGACTCAACTCTCCCTATGAAATCACCATAGACTTGAACA  
 GCAGAAAACACATCGTCAGGAAGTCCGAGGGCACCTGCGCACCAAGATTGAGTCTGGGGAAGGAACAGT  
 CCCTGTGCGGGGCCAGTGCAGTCCAGACATGGGATGGCATCCTGCTGGGGGAGCAGCTAGTACCATG  
 TCCTGCACAGACAAGATTGCCAGCTGGAATGTGCTGGGACTACAAGGCGCTCTCCTCTGCACTTTCATCG  
 AGCCTGTGTACCTCCATAGCATATTGTGGGAAGCCTGCATCACACGGGCCACCTTGCACGGGTCATGAG  
 CCACAGGATGGAGGGCATCGGCCAACTGCCTGCCTCATACCGACAAAACAGGCCTCTCCTTAGTGGTGTG  
 AGTAACGCCGAGGCCCGGAGCCAGGAAAGTCTCCCCACTTCAAGTCCAAGTGGGTCGATAGGCGAGTCCG  
 ACCTGGAGATCATTAAATGCCACAAGTGGGAAGAGGAGCTGTGGGGGTTTCAATCCCGGCTCTGCAAGCAGT  
 GTTTTCTGCTCGGTGGGCACGGCTGCATGGTAGGCTAAGCACACGGATCCCAGGCCACGGAGACACACCC  
 TCCATGTACTGTGAAGCCAAGCGGGGGGCTCACACCTACCAGTCTGTTAAACAGCAGCTCTCAAGGCTT  
 TACAGAAAGCTGGTCTTGGCACCTGGGTGAGAAAGCCACCAGAGCAAGATCAGTTTCTACTAAGTCTCTA  
 A

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_133302  
**Insert Size:** 2241 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_133302.2</a> , <a href="#">NP_579836.1</a>
<b>RefSeq Size:</b>	2720 bp
<b>RefSeq ORF:</b>	2241 bp
<b>Locus ID:</b>	117088
<b>UniProt ID:</b>	<a href="#">P97616</a>
<b>Cytogenetics:</b>	17q12.1
<b>Gene Summary:</b>	Lacks editing activity. It prevents the binding of other ADAR enzymes to targets in vitro, and decreases the efficiency of these enzymes. Capable of binding to dsRNA but also to ssRNA (By similarity).[UniProtKB/Swiss-Prot Function]