

Product datasheet for **MC221315**

Adarb2 (NM_052977) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adarb2 (NM_052977) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adarb2
Synonyms:	Adar3; RED2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221315 representing NM_052977
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCATCTGTCCTGGGAGTGGCAGAGGGTCTGGAGGGCTAAGCAGTCAACTCAAATGCAAGTCCAAGA
 GGAGGAGGAGGAGGAGTCCAAGAGGAAAGACAAAGTCAGCATACTGTCAACCTTCTTGCTCCTTTCAA
 GTACCTAAGTCTGACACCACAAACACAGAGGATGAAGATAACCTAAGTACCAGCAGTGTGAAGTGAAG
 GAAAACCGAAATGTGAGCAACCTGGGGACCAGGCCCTGCCCCCTGGAGACTGGGCCAGAGGCAGCACAC
 CCAGCGTTAAAAGGAAAAGGCCGCTGGAGGAAGGAAATGGGGGACATTTCTGCAAACCTCCAGCTGATCTG
 GAAGAAGTCTCCTGGTCTGTGACACCCAAGAATGCGCTGGTCCAGCTGCATGAGCTGAAGCCTGGTCTG
 CAGTACCGAATGGTGTACAGACGGGCCCGGTGCACGCCCAAGTTTTCGAGTGGCTGTAGAAGTGAACG
 GCCTCACATTTGAAGGCACGGGGCCCACTAAGAAGAAGGCCAAGATGCGGGCAGCAGAAAAGGCCCTGAA
 GTCCTTTGTGAGTTCCTCAATGCCTCCAGGCCACCTGGCCATGGGCAGTAGTACCAGCCGTGCACT
 GACTTCACCTCTGACCAGGCTGACTTCCAGACAGCTTGTTCAGGAGTTTGAACCATCCTCAAAAAACG
 AAGACTTCCCAGGCTGTATCCCGTTGATACTGAGTTTCTGTCCTCTGCCTATCGGCAGGACGGCTACT
 CTACCACACCCTGGACCTCATGGGCCAGGCTCTGCCTGACAGGTCCAGGCTGGCTCCGGGAGCCTTGGGT
 GAGAGGAACCTGTAGTGGTACTGAATGAGTTACGCTCAGGTCTTCGGTATGTGTGCCTCTCCGAGACAG
 CCGAGAAGCCCGAGTCAAGAGCTTTGTATGGCTGTGTGCGTGGATGGGAGGACGTTTCAAGGCTCTGG
 ACGCAGCAAGAAGCTGGCCAAGGGCCAAGCAGCACAAGCTGCCTTGCAGGCCCTTTCGATATCCGGCTG
 CCTGGTCACATACCCAGCAGGAGTAAAAGCAACCTCTTCCACAGGATTTTGCAGACTCTGTGTCCAGC
 TGGTACACACAGAAGTCCGTGAACCTGACAGTCCGGCTGACATCTGTGTATGCCCGCCACAAAACACTGGC
 AGGAATCGTCATGACCAAGGCTTGGACACCAAAAGCGCAGGTCATCGTTCTGTCCTCTGGGACCAAG
 TGTATCAGCGGTGAGCACATCAGTGACCAGGGGCTGGTTGTCAACGACTGTATGCTGAGATCGTGGCGA
 GGCGGGCATTCTTCACTTCTCTACTCTCAGCTGGAGCTGCACTTGAGCAAGCATCAAGAGGACCCCGA
 GAGATCAATATTCATACGTTTAAAGGAAGGAGTTACAGGCTGCGAGAAAACATCCTTCTCCATCTTAC
 GTGAGCACATCCCCTGTGGAGATGCCAGAGTCAACTCTCCATATGAAATCACCACAGACTTGAACAGCA
 GCAAACACATCGTCAGGAAGTCCGAGGGCACCTGCGACCAAGATTGAGTCTGGGAAGGAACAGTCCC
 TGTGCGGGGCCCCAGTGCAGTCCAGACGTGGGATGGCATCCTATTGGGGGAGCAGCTAATCACCATGTCC
 TGCACAGACAAGATTGCCAGCTGGAATGTGCTGGGACTACAAGGGCTCTCCTCTGTCACTTCATCGAGC
 CTGTGTACCTCCACAGCATATTGTGGGACGCTGCACCACAGGCCATCTTGCACGGGTGATGAGCCA
 CAGGATGGAGGAATCGGCCAGCTGCCTGCCTCATACCGACAAAACAGGCCTCTCCTTAGTGGCGTGAGT
 CACGCAGAGGCCCGGCAGCCAGGAAAGTCTCCCACTTCAAGTGCCTGCTGGGAGGAGGAGGAGGAGGAGG
 TGGAGATCATTAAATGCCACCACTGGGAAGGAGGAGTGTGGGGGCTCATCCCGGCTCTGCAAAACAGTGT
 TTCTGCTTGGTGGGCACGGCTGCATGGTAGGCTAAGCACACGGATCCCAAGCCATGGAGACACACCATCC
 ATGTACTGTGAGGCCAAGCAGGGGGCTCACACCTACCAGTCTGTTAAACAGCAGCTCTTCAAGGCCTTTC
 AGAAAGCCGGTCTTGGCACCTGGGTGAGAAAACACCGGAGCAAGATCAGTTTCTACTAAGTCTC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_052977

Insert Size: 2238 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:	<ol style="list-style-type: none">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:	<u>NM_052977.5</u> , <u>NP_443209.2</u>
RefSeq Size:	5633 bp
RefSeq ORF:	2238 bp
Locus ID:	94191
UniProt ID:	<u>Q9JL20</u>
Cytogenetics:	13 A1
Gene Summary:	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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).