

Product datasheet for **MC228717**

Adarb2 (NM_001289530) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adarb2 (NM_001289530) Mouse 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: >MC228717 representing NM_001289530
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCATCTGTCCTGGGAGTGGCAGAGGGTCTGGAGGGCTAAGCAGTCAACTCAATGCAAGTCCAAGA
 GGAGGAGGAGGAGGAGGTCCAAGAGGAAAGACAAAGTCAGCATACTGTCAACCTTCTTGCTCCTTTCAA
 GTACCTAAGTCTGTCACCAACACAGAGGATGAAGATAACCTAAGTACCAGCAGTGTGAAGTGAAG
 GAAAACCGAAATGTGAGCAACCTGGGGACCAGGCCCTGCCCTGGAGACTGGGCCAGAGGCAGCACAC
 CCAGCGTTAAAAGGAAAAGGCCGCTGGAGGAAGGAAATGGGGGACATTTCTGCAAACTCCAGCTGATCTG
 GAAGAAGCTCTCCTGGTCTGTGACACCCAAGAATGCGCTGGTCCAGCTGCATGAGCTGAAGCCTGGTCTG
 CAGTACCGAATGGTGTACAGACGGGCCCGTGCACGCCAGTTTTCGAGTGGCTGTAGAAGTGAACG
 GCCTCACATTTGAAGCACGGGGCCCACTAAGAAGAAGGCCAAGATGCGGGCAGCAGAAAAGGCCCTGAA
 GTCCTTTGTGAGTTCCTCAATGCCTCCAGGCCACCTGGCCATGGGCAGTAGTACCAGCCGTGCACT
 GACTTCACCTCTGACCAGGCTGACTTCCAGACAGCTTGTCAAGGAGTTTGAACCATCCTCAAAAACG
 AAGACTTCCCAGGCTGTATCCCGTTGATACTGAGTTTCTGCTCTGCCTATCGGCAGGACGGCTACT
 CTACCACACCCTGGACCTCATGGGCCAGGCTCTGCCTGACAGGTCCAGGCTGGCTCCGGGAGCCTTGGGT
 GAGAGGAACCTGTAGTGGTACTGAATGAGTTACGCTCAGGTCTTCGGTATGTGTGCCTCTCCGAGACAG
 CCGAGAAGCCCGAGTCAAGAGCTTTGTATGGCTGTGTGCGTGGATGGGAGGACGTTTCAAGGCTCTGG
 ACGCAGCAAGAAGCTGGCCAAGGGCCAAGCAGCACAAGCTGCCTTGCAGGCCCTTTCGATATCCGGCTG
 CCTGGTCACATACCCAGCAGGAGTAAAAGCAACCTCTTCCACAGGATTTTGCAGACTCTGTGTCCAGC
 TGGTCACACAGAAGTCCGTGAAGTACAGTCCGCTGACATCTGTGTATGCCCGCCACAAAACACTGGC
 AGGAATCGTCATGACCAAGGCTTGGACACCAAAACCAAGCGCAGGTCATCGTTCTGTCTCTGGGACCAAG
 TGTATCAGCGGTGAGCACATCAGTGACCAGGGGCTGGTTGTCAACGACTGTATGCTGAGATCGTGGCGA
 GGCGGGCATTCTTCACTTCTCTACTCTCAGCTGGAGTGCCTTGGCAAGCATCAAGAGGACCCCGA
 GAGATCAATATTCATACGTTTAAAGGAAGGAGTTACAGGCTGCGAGAAAACATCCTCTTCCATCTCTAC
 GTGAGCACATCCCCTGTGGAGATGCCAGAGTCAACTCTCCATATGAAATCACCACAGACTTGAACAGCA
 GCAAACACATCGTCAGGAAGTCCGAGGGCACCTGCGACCAAGATTGAGTCTGGGAAGGAACAGTCCC
 TGTGCGGGGCCCCAGTGCAGTCCAGACGTGGGATGGCATCCTATTGGGGGAGCAGCTAATCACCATGTCC
 TGCACAGACAAGATTGCCAGCTGGAATGTGCTGGGACTACAAGGGCTCTCCTCTGTCACTTCATCGAGC
 CTGTGTACCTCCACAGCATATTGTGGGACGCTGCACCACAGGCCATCTTGCACGGGTGATGAGCCA
 CAGGATGGAGGAATCGGCCAGCTGCCTGCCTCATACCGACAAAACAGGCCTCTCCTTAGTGGCGTGAAGT
 CACGCAGAGGCCCGCAGCCAGGAAAGTCTCCCACTTCAAGTGCCTGGTGGGAGCGCCGACC
 TGGAGATCATTAAATGCCACCACTGGGAAGGAGCTGTGGGGGCTCATCCCGGCTCTGCAACACGTGTT
 TTCTGCTTGGTGGGCACGGCTGCATGCTAAGCACCGGATCCCCAGCCATGGAGACACACCATCCATGTA
 CTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289530
Insert Size: 2106 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001289530.1</u> , <u>NP_001276459.1</u>
RefSeq Size:	5628 bp
RefSeq ORF:	2106 bp
Locus ID:	94191
Cytogenetics:	13 A1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, compared to variant 1, which results in a frameshift and a protein (isoform 2) with a shorter and distinct C-terminus compared to isoform 1.</p>