

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCATCTGCTCGGGAGTGGCAGAGGGTCTGGAGGGCTAAGCAGTCAACTCAAATGCAAGTCCAAGA
GGAGGAGGAGGAGGTCCAAGAGGAAAGACAAAGTCAGCATCTGTCAACCTTCCTTGCTCCTTCAA
GTACCTAAGTCTGGCACCACAAACACAGAGGATGAAGATAACCTAAGTACCAGCAGTGTGAAGTGAAG
GAAAACCGAAATGTGAGCAACCTGGGGACCAGGCCCTGCCCTGGAGACTGGGCCAGAGGCAGCACAC
CCAGCGTTAAAAGGAAAAGGCCGCTGGAGGAAGGAAAATGGGGACATTTCTGCAAACCTCCAGCTGATCTG
GAAGAAGCTCTCTGGTCTGTGACACCAAGAATGCGCTGGTCCAGCTGCATGAGCTGAAGCCTGGTCTG
CAGTACCGAATGGTGTACAGACGGGCCGGTGCACGCCCCAGTTTTCGCAGTGGCTGTAGAAGTGAACG
GCCTCACATTTGAAGGCACGGGGCCCACTAAGAAGAAGCCAAGATGCGGGCAGCAGAAATGGCCCTGAA
GTCCTTTGTGCAGTTCCTCAATGCCTTCCAGGCCACCTGGCCATGGGCAGTAGTACCAGCCCGTGCCT
GACTTACCTCTGACCAGGCTGACTTCCAGACACGTTGTTCAAGGAGTTTGAACCATCTCAAAAAACG
AAGACTTCCCAGGCTGTATCCCGTTGATACTGAGTTTCTGTCCTCTGCCTATCGGCGAGGACGGCTACT
CTACCACACCCTGGACCTCATGGGCCAGGCTCTGCCTGACAGGTCCAGGCTGGCTCCGGGAGCCTTGGGT
GAGAGGAACCCGTAGTGGTACTGAATGAGTTACGCTCAGGTCTTCGGTATGTGTGCCTCTCCGAGACAG
CCGAGAAGCCCGAGTCAAGAGCTTTGTATGGCTGTGTGCGTGGATGGGAGGACGTTCCAAGGCTCTGG
ACGCAGCAAGAAGCTGGCCAAGGGCCAAGCAGCACAAGCTGCCTTGCAGGCCCTTTCGATATCCGGCTG
CCTGGTACATACCCAGCAGGAGTAAAAGCAACCTCTTGCCACAGGATTTTGCAGACTCTGTGTCCACAG
TGGTACACAGAAGTCCGTGAACTGACAGTCCGCTGACATCTGTGTATGCCCGCCACAAAACACTGGC
AGGAATCGTCATGACCAAGGCTTGGACACCAAAACAAGCGCAGGTCATCGTTCTGCTCTGGGACCAAG
TGTATCAGCGGTGAGCACATCAGTGACCAGGGGCTGGTTGTCAACGACTGTCATGCTGAGATCGTGGCGA
GGCGGGCATTCTCACTTCTACTCTCAGCTGGAGCTGCACTTGGAGCAAGCATCAAGAGGACCCCGA
GAGATCAATATTCATACGTTTAAAGGAAGGAGTTACAGGCTGCGAGAAAACATCCTCTTCCATCTAC
GTGAGCACATCCCTGTGGAGATGCCAGAGTCAACTCTCCATATGAAATCACCACAGACTTGAACAGCA
GCAAACACATCGTCAGGAAGTCCGAGGGCACCTGCGCACCAAGATTGAGTCTGGGAAGGAACAGTCCC
TGTGCGGGGCCAGTGCAGTCCAGACGTGGGATGGCATCCTATTGGGGAGCAGCTAATCACCATGTCC
TGCACAGACAAGATTGCCAGCTGGAATGTGCTGGGACTACAAGGCGCTCTCCTGTCACTTTCATCGAGC
CTGTGTACCTCCACAGCATATTGTGGCAGCCTGCACCACACGGGCCATCTTGCACGGGTCATGAGCCA
CAGGATGGAGGAATCGGCCAGCTGCCTGCCTCATACCGACAAAACAGGCTCTCCTTAGTGGCGTGAGT
CACGCAGAGGCCCGGCAGCCAGGAAAGTCTCCCACTTCAAGTCCAACTGGGTCGTGGGAGCGCCGACC
TGGAGATCATTAAAGCCACTGGGAAGAGGAGCTGTGGGGCTCATCCCGCTCTGCAAAACAGTGTT
TTCTGCTTGGTGGGCACGGTGCATGCTAAGCACACGGATCCCCAGCCATGGAGACACACCATCCATGTA
CTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-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.
RefSeq:	NM_001289530.1 , NP_001276459.1
RefSeq Size:	5628 bp
RefSeq ORF:	2106 bp
Locus ID:	94191
UniProt ID:	Q3UY54 , Q6PB89 , Q8BQZ3
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>