

Product datasheet for **MC220881**

Adarb1 (NM_001024837) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adarb1 (NM_001024837) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adarb1
Synonyms:	1700057H01Rik; AD; Adar2; AW124433; AW558573; BB220382; D10Bwg0447e; RED; Red1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220881 representing NM_001024837
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATATAGAAGATGAAGAGAATATGAGTTCAGCAGCACTGATATTAAGAAAACCGCAATCTGGACA
 ACATGCCCCCAAGGACAGCAGCACACCTGGGCCTGGCGAGGGTATTCCGCTCTCCAACGGGGTGGTGG
 TAGCACCAGCAGGAAGCGGCCCTGGAGAGGGCAGCAATGGTCACTCCAAGTACCGCTGAAGAAGCGA
 AGGAAAACACCAGGGCCTGTTCTGCCAAGAACGCCCTGATGCAGCTGAACGAGATCAAACCTGGCTTAC
 AGTACATGCTGCTGCCAGACAGGACCGTGCATGCACCTCTGTTTGTATGTCTGTGGAGGTAACGG
 GCAGGTTTTGAGGGCTCGGCCCTACAAAGAAAAGGCAAACTCCATGCTGCTGAGAAGGCCCTGAGG
 TCTTTTGTCCAGTTCCCAACGCCTCCGAGGCCACCTAGCCATGGGAAGGACCCCTCTGTGAACACAG
 ACTTCACGTCTGACCAGGCTGACTTCCCTGACACACTTCAATGGCTTCGAGACTCCAGACAAGTCAGA
 GCCACCCTTCTAGTAGGCTCCAACGGGATGACTCGTTCAGCTCAAGTGGAGATGTCAGCCTATCGGCC
 TCCCCAGTGCCTGCCAGCCTTACCCAGCCTCCTCTGCCATCCCACCACCTCCACCCCAAGTGGGA
 AGAATCCCGTGATGATCTTGAATGAGCTACGCCAGGGCTGAAGTATGACTTCCTCTCTGAGAGTGGGA
 GAGCCACGCCAAGAGCTTCGTCATGTCCGTGGTGGTAGATGGCCAGTTCTTTGAGGGCTCAGGAAGAAA
 AAGAAGCTTGCCAAGGCCGGGCTGCACAGTCTGCCTGGCTACTGTCTCAATTTGCACTTGGACAAA
 CACCATCTCGCCAGCCTGTCTCAGTGAGGGTCTTCAGTTGCATTTGCCACAGGTATTGGCAGATGCTGT
 CTCCCGCTGGTCTGGTAAGTTCAAGTACAGTGCAGACAACCTTTCTCCCTCATGCACGAAGGAAA
 GTGCTCTCTGGAGTAGTATGACCACAGGTACAGATGTCAAAGTGCCAAGGTGATAAGTGTTCGACAG
 GGACGAAGTGTATCAACGGTGAATACATGAGTGACCGTGGCCTCGCACTCAATGACTGCCACGAGAGAT
 AATCTCCCGAAGTCCCTGCTCAGGTTTTATGCACAGCTCGAGCTTTATTTAAATAACAAGAAGAC
 CAGAAAAAGTCCATATTTCAAGTCAAGAGCGGGTGGTTCCGCTGAAGGATACCGTGCAAGTTCACC
 TGTACATCAGCACCTCGCCCTGCGGAGACGCCAGAATATTCTCTCCACGAGCCGTGCTAGAGGGTAT
 GAGCCAGACTCTCACCAGTGCAGAAACCAGCAGATAGACATCCGAATCGCAAAGCAAGGGGACAGCTA
 CGGACGAAAATAGAGTCTGGCGAGGGGACAATCCCTGTGCGCTCAAATGCCAGCATCCAGACCTGGGACG
 GGGTGTGCAGGGGAACGGCTGCTCACCATGTCTGCAGTGACAAGATAGCACGCTGGAACGTGGTGGG
 CATCCAGGGTCCCTGCTCAGCATTTCGTGGAACCCATCTACTTCTCCAGCATCATCTTGGGCAGCCTG
 TACCACGGGGACCACCTCTCAGGGCCATGTACCAGCGGATCTCCAACATAGAGGACCTGCCACCCTCT
 AACTCTCAACAAGCCCCTGCTCAGCGGATCAGCAATGCAGAGGCACGGCAGCCAGGGAAGGCACCCAA
 CTTCAAGTCAACTGGACAGTGGGTGACGCCACCATGAGGTATCAATGCCACAACAGGGAAGGATGAG
 CTTGGCGCCCATCCCGCTGTGTAAGCAGCGCTGACTGTGCGTGGATGCGTGTACACGGCAAGGTTT
 CCCCCACCTGCTGCGCACCAAGATCACTAAGCCTACCACATACCAGAGTCCAAGCTGGCAGCGAGGGA
 GTACCAGGCTGCCAAGGCCGTCTGTTCACTGCCTTCAAGGCGGGCTGGGCGCTGGGTGGAGAAG
 CCCACAGAGCAGGACCAGTTCCTTCACTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001024837
Insert Size: 2136 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_001024837.2, NP_001020008.1</u>
RefSeq Size:	6602 bp
RefSeq ORF:	2136 bp
Locus ID:	110532
UniProt ID:	<u>Q91ZS8</u>
Cytogenetics:	10 39.72 cM
Gene Summary:	<p>This gene encodes a double-stranded-RNA-specific adenosine deaminase that is involved in editing pre-mRNAs by site-specific conversion of adenosine (A) to inosine (I). Substrates for this enzyme include ionotropic glutamate receptors (GluR2-6) and serotonin receptor (5HT2C). Studies in rodents have shown that this protein can modify its own pre-mRNA by A->I editing to create a novel acceptor splice site, alternative splicing to which results in down regulation of its protein expression. Additional splicing events result in transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) uses an alternate, in-frame donor splice site at one of the internal coding exons, compared to transcript variant 1. This results in a longer isoform (2) containing a 10 aa segment that is missing in isoform 1.</p>