

Product datasheet for **MC220607**

Adarb1 (NM_130895) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adarb1 (NM_130895) 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: >MC220607 representing NM_130895
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATATAGAAGATGAAGAGAATATGAGTTCAGCAGCACTGATATTAAGAAAACCGCAATCTGGACA
 ACATGCCCCCAAGGACAGCAGCACACCTGGGCCCTGGCGAGGGTATTCCGCTCTCCAACGGGGTGGTGG
 TAGCACCAGCAGGAAGCGGCCCTTGAGGAGGGCAGCAATGGTCACTCCAAGTACCGCTGAAGAAGCGA
 AGGAAAACACCAGGGCTGTTCTGCCAAGAACGCCCTGATGCAGCTGAACGAGATCAAACCTGGCTTAC
 AGTACATGCTGCTGCCAGACAGGACCGTGCATGCACCTCTGTTTGTATGTCTGTGGAGGTAACGG
 GCAGGTTTTGAGGGCTTGCCCTACAAAGAAAAGGCAAACTCCATGCTGCTGAGAAGGCCCTGAGG
 TCTTTTGTCCAGTTCCCAACGCCTCCGAGGCCACCTAGCCATGGGAAGGACCCTCTGTGAACACAG
 ACTTCACGTCTGACCAGGCTGACTTCCCTGACACACTTCAATGGCTTCGAGACTCCAGACAAGTCAGA
 GCCACCCTTCTAGTAGGCTCCAACGGGGATGACTCGTTCAGCTCAAGTGGAGATGTCAGCCTATCGGCC
 TCCCAGTGCCTGCCAGCCTTACCAGCCTCCTCTGCCATCCCACCACCTCCACCCCAAGTGGGA
 AGAATCCCGTGATGATCTTGAATGAGCTACGCCAGGGCTGAAGTATGACTTCCTCTCTGAGAGTGGGA
 GAGCCACGCCAAGAGCTTCGTATGTCCGTGGTGGTAGATGGCCAGTCTTTGAGGGCTCAGGAAGAAA
 AAGAAGCTTGCCAAGGCCGGGCTGCACAGTCTGCCTGGCTACTGTCTTCAATTTGCACTTGGACAAA
 CACCATCTCGCCAGCCTGTCTCAGTGAGGGTCTTCAGTTGCATTTGCCACAGGATTTGGCAGATGCTGT
 CTCCCGCTGGTCTGGGTAAGTTCAAGTACAGTACAGTACAGTACAGTACAGTACAGTACAGTACAGT
 GGACGAAGTGTATCAACGGTGAATACATGAGTACCGTGGCCTCGCACTCAATGACTGCCACGAGAGAT
 AATCTCCCGAAGGTCCTGCTCAGGTTTTATGCACAGCTCGAGCTTTATTTAAATAACAAGAAGAC
 CAGAAAAAGTCCATATTTCAAGTACAGAGCGGGTGGTTCCGCTGAAGGATACCGTGCAGTTCCACC
 TGTACATCAGCACCTCGCCCTGCGGAGACGCCAGAATATTCTCTCCACGAGCCGTGCTAGAGGAACC
 AGCAGATAGACATCCGAATCGCAAAGCAAGGGGACAGCTACGGACGAAAATAGAGTCTGGCGAGGGGACA
 ATCCCTGTGCGCTCAAATGCCAGCATCCAGACCTGGGACGGGGTGTGCAGGGGAAACGGCTGCTACCA
 TGTCTGCAGTGACAAGATAGCACGCTGGAACGTGGTGGGCATCCAGGGTCCCTGCTCAGCATTTCGT
 GGAACCCATCTACTTCTCCAGCATCATCTTGGGACGCTGTACCAGGGGACCACCTCTCCAGGGCCATG
 TACCAGCGGATCTCAACATAGAGGACCTGCCACCGCTCTACACTCTCAACAAGCCCTGCTCAGCGGCA
 TCAGCAATGCAGAGGCAGGCAGCCAGGAAGGCACCCAACTTCAAGTGTCAACTGGACAGTGGGTGACGC
 CACCATTGAGGTCATCAATGCCACAACAGGGAAGGATGAGCTTGCCGCCCATCCCGCTGTGTAAGCAC
 GCGCTGTACTGTGCTGGATGCGTGTACACGGCAAGGTTCCCCCCACCTGCTGCGCACCAAGATCACTA
 AGCCTACCACATACCACGAGTCCAAGCTGGCAGCGAGGGAGTACCAGGCTGCCAAGGCCGCTGTGTTAC
 TGCTTTCATCAAGGCGGGGCTGGGCGCCTGGGTGGAGAAGCCACAGAGCAGGACCAGTTCTCTTCACT
 CCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_130895

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).

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_130895.3, NP_570965.2</u>
RefSeq Size:	6572 bp
RefSeq ORF:	2106 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 (1) encodes the shorter isoform (1).</p>