

Product datasheet for **MR230928**

Adarb2 (NM_001289530) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adarb2 (NM_001289530) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adarb2
Synonyms:	Adar3; RED2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>MR230928 representing NM_001289530
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCATCTGTCTGGGGAGTGGCAGAGGGTCTGGAGGGCTAAGCAGTCAACTCAATGCAAGTCCAAGA
GGAGGAGGAGGAGGAGGTCCAAGAGGAAAGACAAAGTCAGCATACTGTCAACCTTCTTGCTCCTTTCAA
GTACCTAAGTCCTGGCACCACAAACACAGAGGATGAAGATAACCTAAGTACCAGCAGTGTGAAGTGAAG
GAAAACCGAAATGTGAGCAACCTGGGGACCAGGCCCTGCCCTGGAGACTGGGCCAGAGGCAGCACAC
CCAGCGTTAAAAGGAAAAGGCCGCTGGAGGAAGGAAATGGGGGACATTTCTGCAAACTCCAGCTGATCTG
GAAGAAGCTCTCCTGGTCTGTGACACCCAAGAATGCGCTGGTCCAGCTGCATGAGCTGAAGCCTGGTCTG
CAGTACCGAATGGTGTACAGACGGGCCCGGTGCACGCCCAAGTTTTCGAGTGGCTGTAGAAGTGAACG
GCCTCACATTTGAAGGCACGGGGCCCACTAAGAAGAAGGCCAAGATGCGGGCAGCAGAAAAGGCCCTGAA
GTCCTTTGTGAGTTCCTCAATGCCTCCAGGCCACCTGGCCATGGGCAGTAGTACCAGCCGTGCACT
GACTTCACCTCTGACCAGGCTGACTTCCAGACAGCTTGTTCAGGAGTTTGAACCATCCTCAAAAACG
AAGACTTCCCAGGCTGTATCCCGTTGATACTGAGTTTCTGCTCTGCCTATCGGCGAGGACGGCTACT
CTACCACACCCTGGACCTCATGGGCCAGGCTCTGCCTGACAGGTCCAGGCTGGCTCCGGGAGCCTTGGGT
GAGAGGAACCTGTAGTGGTACTGAATGAGTTACGCTCAGGTCTTCGGTATGTGTGCCTCTCCGAGACAG
CCGAGAAGCCCGAGTCAAGAGCTTTGTATGGCTGTGTGCGTGGATGGGAGGACGTTTCAAGGCTCTGG
ACGCAGCAAGAAGCTGGCCAAGGGCCAAGCAGCACAAGCTGCCTTGCAGGCCCTTTCGATATCCGGCTG
CTTGGTACATACCCAGCAGGAGTAAAAGCAACCTCTTCCACAGGATTTTGCAGACTCTGTGTCCACAGC
TGGTCACACAGAAGTCCGTGAACTGACAGTCCGGCTGACATCTGTGTATGCCCGCCACAAAACACTGGC
AGGAATCGTCATGACCAAGGCTTGGACACCAAAACAGCGCAGGTATCGTTCTGTCTCTGGGACCAAG
TGTATCAGCGGTGAGCACATCAGTGACCAGGGGCTGGTTGTCAACGACTGTATGCTGAGATCGTGGCGA
GGCGGGCATTCTTCACTTCTCTACTCTCAGCTGGAGCTGCACTTGAGCAAGCATCAAGAGGACCCCGA
GAGATCAATATTCATACGTTTAAAGGAAGGAGGTTACAGGCTGCGAGAAAACATCCTCTTCCATCTCTAC
GTGAGCACATCCCCTGTGGAGATGCCAGAGTCAACTCTCCATATGAAATCACCACAGACTTGAACAGCA
GCAAACACATCGTCAGGAAGTCCGAGGGCACCTGCGACCAAGATTGAGTCTGGGAAGGAACAGTCCC
TGTGCGGGGCCCCAGTGCAGTCCAGACGTGGGATGGCATCCTATTGGGGGAGCAGCTAATCACCATGTCC
TGCACAGACAAGATTGCCAGCTGGAATGTGCTGGGACTACAAGGGCTCTCCTCTGTCACTTCATCGAGC
CTGTGTACCTCCACAGCATATTGTGGGACGCTGCACCACAGGCCATCTTGCACGGGTATGAGCCA
CAGGATGGAGGAATCGGCCAGCTGCCTGCCTATACCGACAAAACAGGCCTCTCCTTAGTGGCGTGAAGT
CACGCAGAGGCCCGGCAGCCAGGAAAGTCTCCCACTTCAAGTGCCTGGGTCGTGGGAGCGCCGACC
TGGAGATCATTAAATGCCACCACTGGGAAGGAGCTGTGGGGGCTCATCCCGGCTCTGCAAAACAGTGT
TTCTGCTTGGTGGGCACGGCTGCATGCTAAGCACACGGATCCCCAGCCATGGAGACACACCATCCATGTA
CTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230928 representing NM_001289530
 Red=Cloning site Green=Tags(s)

MASVLGSGRGGGLSSQLKCKSKRRRRRSKRDKVSIILSTFLAPFKYLSPGTTNTEDEDNLSTSSAEVK
 ENRNVSNL GTRPLPPGDWARGSTPSVKRRRPLEEGNGGHFCKLQLIWKLSWSVTPKNALVQLHELKPGI
 QYRMVSQTGPVHAPVFAVAVEVNGLT FEGTGPTKKKAKMRAAEMALKSFVQFPNAFAQHLAMGSSTSPCT
 DFTSDQADFPDTLFKEFEPSSKNEDFPGCHPVDFEFLSSAYRRGRLLYHTLDLMGQALPDRSRLAPGALG
 ERNPVVVNLNLRSGLYVCLSETAEKPRVKSFVMAVCVDGRTFEGSGRSKLLAKGQAAQALQALFDIRL
 PGHIPSRSKSNLLPQDFADSVS QLVTVQKFRELTVGLTSVYARHKTLAGIVMTKGLDTKQAQVIVLSSGTK
 CISGEHISDQGLVYNDCHAEIVARRAFLHFLYSQLELHLSKHQEDPERSIFIRLKEGGYRLRENILFHLY
 VSTSPCGDARVNSPYEITDNLNSSKHIVRFRGHLRRTKIESGEGTVPVVRGSAVQTDWGIILLGEQLITMS
 CTDKIASWNVVLGQALLCHFIEPVYLHSIIVGSLHHTGHLARVMHRMEGIGQLPASVYRQNRPLLSGVS
 HAEARQPGKSPHFSANWVVGSDLEIINATTGKRSCGSSRLCKHVFSAWWARLHAKHTDPQWRHTIIV
 L

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

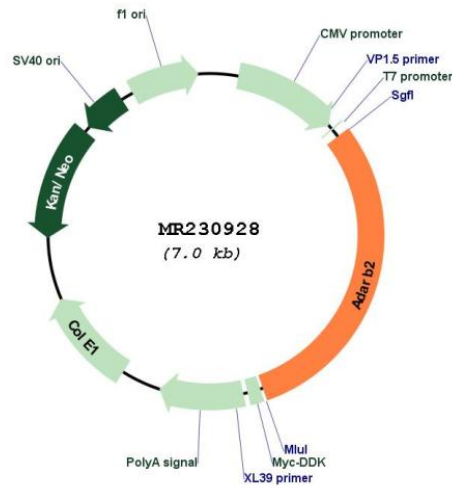
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001289530

ORF Size: 2103 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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: [NM_001289530.1](#), [NP_001276459.1](#)

RefSeq Size: 5628 bp

RefSeq ORF: 2106 bp

Locus ID:	94191
Cytogenetics:	13 A1
MW:	77.8 kDa
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]