

Product datasheet for **SC304628**

RED2 (ADARB2) (NM_018702) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RED2 (ADARB2) (NM_018702) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADARB2
Synonyms:	ADAR3; RED2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene ORF sequence for NM_018702 edited
ATGGCCTCGGTCCTGGGGAGCGGCAGAGGGTCTGGAGGGCTGAGCAGTCAACTCAAATGC
AAGTCCAAGAGGAGGAGGAGGCGGAGGTCCAAGCGGAAAGATAAAGTAAGCATATTGTCA
ACCTTCCTCGCTCCTTTCAAGCACCTGAGTCTGGCATCACAACACGGAGGATGACGAC
ACCCTCAGTACCAGCAGCGCGGAGGTGAAGGAGAACCGCAACGTGGGCAACCTGGCCGCG
CGGCCACCGCCCTCCGGGGACCGGGCCCGGGCGCGCCCGGGCGGAAGAGGAAGCGG
CCGCTGGAGGAGGGGAATGGGGCCACTTGTGCAAACCTGCAGCTGGTCTGGAAGAAGCTG
TCGTGGTCGGTGGCGCCCAAGAACGCGCTGGTGCAGCTGCACGAGCTGAGGCCGGCCTG
CAGTACCGGACAGTGTCGACAGCGGGCCGGTGCATGCCCGGTCTTCGCGGTAGCGGTG
GAGGTGAACGGGCTCACGTTTCGAGGGCACAGGCCCCACCAAGAAGAAGGCCAAGATGCGC
GCGGGGAGCTGGCACTCAGGTCCTTCGTGCAGTTCCTCAACGCCTGCCAGGCGCACCTG
GCCATGGGCGGGGCCCGGGCCCGGCACGACTTCACTCCGACCAGGCCGATTTCCCG
GACACGCTCTCCAGGAGTTCGAGCCCCGGCGCCGCGCCCGGACTCGCGGGAGGCCGC
CCCGGGGACGCCGCTTCTGTCCGCGCTACGGGCGACGGCGGCTGCTGTGCCGCGCG
CTGGACCTGGTGGGCCCGACCCCGCCACCCCGCGGCCCGGGGAGCGCAACCCCGTG
GTGCTGTGAACGCCTGCGCGCCGGGCTGCGCTACGTGTGTCTGGCAGAACCGGCCGAG
CGGCGCGCGGGAGCTTCGTGATGGCCGTGAGCGTGGACGGCAGGACGTTTCGAGGGCTCG
GGGCGCAGCAAGAAGCTGGCCCGGGGTCAAGCCGCGCAGGCCGCACTGCAGGAGCTGTTT
GACATCCAGATGCCCGGCCACGCGCCCGGCGAGGCCAGGAGGACGCAATGCCCGAGGAA
TTCGCAGACTCCATATCCAGCTGGTCACACAGAAGTTCGCGAGGTGACGACGGACCTC
ACGCCCCATGCACGCCGCCATAAAGCGCTGGCAGGAATCGTCATGACCAAAGGCCTGGAT
GCTCGGCAGGCGCAGGTGCTGGCCCTGTCTCGGGACCAAGTGCATCAGCGGCGAGCAC
CTCAGTGACCAGGGGCTGGTGGTGAATGACTGCCACGCGGAGGTGCTGGCCCGCGGGCG
TTCCTGCACTTCCCTACACGCAGCTGGAGCTGCACCTGAGCAAGCGGCGCGAGGACTCA
GAGCGATCGATATTTCGTGCGGTTAAAAGAAGGTGGCTACCGGCTGCGAGAGAATCCTC
TTCATCTCTACGTGAGCACCTCCCGTGTGGAGACGCAAGACTCCACTCTCCCTACGAG
ATCACACAGACCTGCACAGCAGCAAACACCTCGTCAGGAAGTTCGCGGGCACCTGCGC
ACCAAGATCGAGTCCGGGAAGGGACGGTCCCGTGCCTGGCCCCAGCGCAGTGCAGACC
TGGGACGGCGTCTGCTGGGGAGCAGCTGATACCATGTCTGCACGGACAAGATCGCC
AGGTGGAACGTCCTGGGGTGCAGGGCGCGCTCCTGTCCACTTCGTGGAGCCCGTGTAC
CTGCAGAGCATCGTGGTGGGACGCTGCACCACAGGGCCACCTCGCACGCGTCATGAGC
CACCGCATGGAGGTGTGCGCCAGCTGCCCGCCTCCTACCGGCACAACCGGCCTCTCCTC
AGCGGCGTGAGTGACGCCGAGGGCGGCCAGCCGGGAAGTCGCCCCCTTCAGCATGAAC
TGGGTCGTGGGACGCGGGACCTGGAGATTATCAACGCCACCACTGGGCGGAGGAGCTGT
GGGGGCCCATCCCGGCTCTGCAAGCACGTGCTGTCTGCACGGTGGGCGCGGCTGTATGGC
AGGCTGAGCACACGGACACCCAGCCCTGGAGACACGCCCTCCATGTACTGTGAGGCCAAG
CTGGGGGCGCACACCTACCAGTCTGTGAAACAGCAGCTGTTCAAGGCCTTTCAGAAGGCT
GGCCTGGGCACCTGGGTGAGGAAACCACCGGAGCAGCAGCAGTTTCTACTGACTCTCTAG
    
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5' Read Nucleotide Sequence: >OriGene 5' read for NM_018702 unedited
 NGACTTACTCATATTTTGTNATTACGTA CTCCACTCTGAGGGTCGTGCCGCGAAATTCAG
 CTTCTGGTACTCGAGTCTCGGTATCCATCTAGTAACGGTCCGCCAGTGTGCTGGAATTC
 CCCTTCAACCTCAAGCTTCGCAGCAGCGGCGGGCGGCTGCCGGGAAGGAGGCAGGTGC
 AGGTGCAGGAGGGAGGCGGCTCTGGGCTCCGCGCTGGGTCTCGGCCATGGCCTCGGTCC
 TGGGGAGCGGCAGAGGGTCTGGAGGGCTGAGCAGTCAACTCAAATGCAAGTCCAAGATGA
 GGAGGAGCGGAGGTCCAAGCGGAAAGATAAAGTAAGCATATTGTCAACCTTCTCGCTC
 CTTTCAAGCACCTGAGTCTGGCATCACAAACACGGAGGATGACGACACCCTCAGTACCA
 GCAGCGCGGAGGTGAAGGAGAACCAGCAACGTGGGCAACCTGGCCGCGCGGCCACCGCCCT
 CCGGGGACCGGGCCCGGTGCGGCGCGCCCGGCGGAAGAGGAAGCGGCCGCTGGAAGATG
 GGAATGGGGGCCACTTGTGCAAACCTGCAGCTGGTCTGGAAGAAGCTGTGCTGGTGGTGG
 CGCCAAAGAACCGCTGGTGCAGCTGCACAACTGGGGCCGGGCTGGCATAACGGGACAG
 TGTGCGAAACCGCCCCGGTGCATGCCCTGGTCTTACGGTAACCGGTGAGGTGAAAC
 GGGCTTACCTTGAAGGGAACAGGGCCCCCCCCAAAAAAGGCCAAAAAGCCCCGGGC
 GGAACCTGGGCTTAAGGTCTTTGTGCAATTTCCAAAGGCTGGCTAGCCACCTGGCC
 AGTGGGCGGGGGCCCCGTCGCCGGGCGGACCTTACTTTACACACAGCGTATTTCGCC
 AAACCTCTTTGAGGATTTGAACCCAGGGGCCCTCCCCGGACTGN

3' Read Nucleotide Sequence: >Forward primer walk for NM_018702 unedited
 ANCACCGCTGNGGGTGTGCGCCAGCTGCCCGCTCTACCGGCACAACCGGCCTCTCCT
 CAGCGCGTGAGTGACGCCGAGGCGGCCAGCCGGTGAAGTCGCCCCCTTACAGCATGAA
 CTGCGTCTGGGAGCGCGGACCTGGAGATTATCAACGCCACCACTGGGCGGAGGAGCTG
 TGGGGGCCATCCCGGCTCTGCAAGCACGTGCTGTCTGCACGGTGGGCGCGGCTGTATGG
 CATGCTGAGCACACGGACACCCAGCCGTGGAGACACGCCCTCCATGTA CTGTGAGGCCAA
 GCTGTGGGCGCACACCTACAGTCTGTGAAACAGCAGCTGTTCAAGGCCTTTCAGAAGGC
 TGGCCTGAGCACCTGGGTGAGGAAACCACCGGAGCAGCAGGTTTCTACTGACTCTCTA
 NGCTGCGGGCTCCTGGTGTGGAGCTGAGCGGGACGCTGGAGGGATGGGACCGTGTCTG
 GGGGGCGACGTGGCGGGTCCGCCGTTCCCTGCATTGTTTTACTTTGGTGTCCAGAAA
 CACGCGAGTGTGCAATGTTTGGACGAGCAACAACCTCANATTTGAACTGCCTCTTTCCA
 GATCGCTGGCCCCAGAACCTGTCCCCACACCCAGGGGCACACGCACCGTTGAGTTAAC
 GCCCACTTCTCTGTGGAGTCTGAAGGAGGGGCTCCATTCCAGCAAAGGGGTTTTAGCTG
 CCGCCTTGAAAGAGGCCCGACACGACCTGGCAGGAGTGACCCTGAGGCCCGTCCC
 TGCGCCCCACCTGCGTGCCTCTTGGTGTGCTGGGTCTAACTAGCTTGGG

Restriction Sites: Please inquire

ACCN: NM_018702

Insert Size: 3400 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	<p>The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.</p>
Components:	<p>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).</p>
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:	<p>NM_018702.1, NP_061172.1</p>
RefSeq Size:	<p>3655 bp</p>
RefSeq ORF:	<p>2220 bp</p>
Locus ID:	<p>105</p>
UniProt ID:	<p>Q9NS39</p>
Cytogenetics:	<p>10p15.3</p>
Gene Summary:	<p>This gene encodes a member of the double-stranded RNA adenosine deaminase family of RNA-editing enzymes and may play a regulatory role in RNA editing. [provided by RefSeq, Jul 2008]</p>