

Product datasheet for **MR209296**

Abce1 (NM_015751) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abce1 (NM_015751) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Abce1
Synonyms:	C79080; Oabp; RLI; Rnaseli; RNS4I; RNS41
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209296 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGACAAATTAACAAGAATTGCTATTGTCAACCACGACAAATGCAAACCTAAGAAATGTGCACAGG
 AGTGCAAAAAGAGTTGCCCTGTGGTTCGGATGGGAAAATTGTGCATAGAAGTTACACCCAGAGCAAAAT
 AGCATGGATTTCTGAAACTCTCTGTATTGGTTGTGGTATTGTATTAAGAAATGCCCTTTGGCGCCTTA
 TCAATTGTCAATTTGCCAAGCAACTTGGAAAAAGAAACAACACATCGCTACTGTGCCAATGCCTTCAAGC
 TTCACAGGTTGCCTATCCCTCGTCCAGGTGAAGTTTTGGGATTAGTTGGAACATAAGTATTGGAAAGTC
 AACTGCACTAAAAATTTAGCAGGAAAACAAAAGCCAAACCTTGGAAAGTATGATGATCCACCTGATTGG
 CAAGAGATTTGACTTATTTCCGTGGATCTGAATTACAAAATTACTTTACCAAGATTCTCGAAGATGACC
 TAAAAGCCATTATCAAACCTCAATATGTAGACCAAAATCCCAAGGCTGCAAAGGGGACAGTGGGCTCTAT
 TCTGGACCGAAAAGATGAAACAAAGACACAGGCAATTGTATGTCAGCAGCTTGATTTAACTCACCTAAA
 GAACGAAATGTGCAAGATCTTTCAGGAGGAGAGTTGCAGAGATTTGCTTGTGCTGTGCTTTGCATACAAA
 AGGCTGATATTTTATGTTTGTGAACTTCTAGTTACCTCGATGTCAAGCAACGTTTAAAGGCTGCCAT
 TACGATTCGATCTCTAATAAATCCAGATAGATATATCATTGTGGTGGAGCATGATCTAAGTATTAGAC
 TATCTCTGACTTCATCTGCTGTCTATATGGGTACCGAGTGCCTATGGTGTGTGACGATGCCTTTTA
 GTGTAAGAGAAGGCATAAATATATTTTTGGATGGCTATGTTCCAACAGAGAACCTGAGGTTACAGGATGC
 GTCGCTTGTTTTTAAGGTAGCTGAGACAGCAAAATGAAGAAGAAGTTAAAAAGATGTCATGTATAAATAT
 CCCGGGATGAAGAAAAGATGGGAGAGTTCGAGCTAGCAATTGTAGCTGGAGAGTTCACGGACTTGAGA
 TCATGGTGTGCTGGGGGAGAATGGTACAGGTAACACTACATTTATCAGAATGCTTGTGGAAGGCTTAA
 ACCAGATGAAGGAGGAGAAGTGCCAGTTCTAAATGTCAGTTATAAGCCACAGAAAATCAGTCCCAATCA
 ACAGGAAGTGTTCGCCAGTTACTGCATGAAAAGATCAGAGATGCTTACACGCATCCGCAGTTTGTGACTG
 ATGTAATGAAGCCCTACAGATTGAAAACATCATTGACCAAGAGGTACAGACATTGTCTGGTGGTGAAC
 TCAGCGAGTAGCTTAGCTCTTTGTTGGGCAACCTGCTGACGCTCTATTTGATTGATGAACCTTCTGCA
 TATTTGGATTCTGAGCAAAGATTAATGGCAGCTCGGGTCGCAACGTTTCATTCTCCATGCAAAGAAGA
 CAGCTTTTGTGTAGAACATGACTTCATCATGGCCACCTATCTAGCAGATCGCGTCATCGTTTTTGTG
 TGTTCCATCAAAGAACACAGTTGCAAACAGTCTCAGACTCTTTTGGCTGGCATGAACAAATTTTGTCT
 CAGCTCGAAATTACATTCAGAAGAGACCCCAACAACACTACAGGCCAGGAATAAATAAGCTCAATTCATCA
 AGGATGTAGAACAAAAGAAGAGTGGAACTACTTTTTCTTGGATGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209296 protein sequence
 Red=Cloning site Green=Tags(s)

MADKLTRIAIVNHDKCKPKKCRQECKKSCPVVRMGKLCIEVTPQSKIAWISETLCIGCGICIKKCPFGAL
 SIVNLPNLEKETTHRYCANAFKLHRLPIPRPGEVLGLVGTNGIGKSTALKILAGKQKPNLKYDDPPDW
 QEILTYFRGSELQNYFTKILEDDLKAIKPYVDQIPKAAKGTVGSILDRKDETKQAIVCQQLDLTHLK
 ERNVEDLSGGELQRFACAVVCIQKADIFMFDEPSSYLDVKQRLKAAITIRSLINPDRIYIIVVEHDLVLD
 YLSDFICCLYGVPSAYGVVTMPFSVREGINIFLDGYVPTENLRFRDASLVFKAETANEEVKKMCMYKY
 PGMKKMGFEFELAIVAGEFTDSEIMVMLGENGTGKTTFIRMLAGRLKPDEGGEVPLNVSYPKQKISPKS
 TGSVRLQLEKIRDAYTHPQFVTDVMKPLQIENIIDQEVQTLSSGELQRVALALCLGKPADVYLLIDEPSA
 YLDSEQLRMAARVVKRFLHAKKTAFFVVEHDFIMATYLADRVIIVFDGVPKNTVANSPTLLAGMKNKFLS
 QLEITFRDRPNRYRPRINKLNSIKDVEQKSGNYFFLDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_015751

ORF Size: 1800 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_015751.2](#), [NP_056566.2](#)

RefSeq Size: 3813 bp

RefSeq ORF: 1800 bp

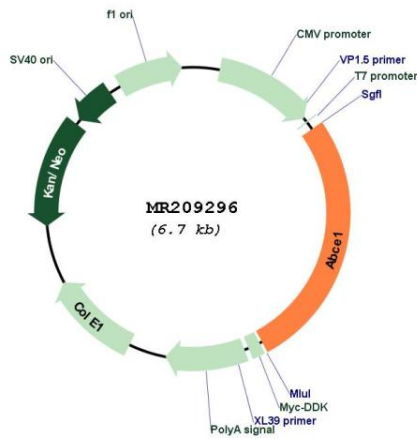
Locus ID: 24015

UniProt ID: [P61222](#)

Cytogenetics: 8 C1
MW: 67.3 kDa

Gene Summary: The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the OABP subfamily. Alternatively referred to as the RNase L inhibitor, this protein functions to block the activity of ribonuclease L. Activation of ribonuclease L leads to inhibition of protein synthesis in the 2-5A/RNase L system, the central pathway for viral interferon action. [provided by RefSeq, Jul 2008]

Product images:



Circular map for MR209296