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Product datasheet for SC323716

ABCE1 (NM_001040876) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABCE1 (NM_001040876) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABCE1
Synonyms:	ABC38; OABP; RLI; RLI1; RNASEL1; RNASELI; RNS4I
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_001040876.1
CGCTGTGTGGCTGAAAAGTGAAGGCAAGAGCTGATTTGGCCTCTGTGCTCCCCTCCGCAA
GGGGATCGTTTTCTCCAGAAGAGCTGGATATTCTTTCGCCCAGTTATGGCAGACAAGTTA
ACGAGAATTGCTATTGTCAACCATGACAAATGTAAACCTAAGAAATGTCGACAGGAATGC
AAAAAGAGTTGTCCTGTAGTTCGAATGGGAAAATTATGCATAGAGGTTACACCCCAGAGC
AAAATAGCATGGATTTCCGAAACTCTTTGTATTGGTTGTGGTATCTGTATTAAGAAATGC
CCCTTTGGCGCCTTATCAATTGTCAATCTACCAAGCAACTTGGAAAAAGAAACCACACAT
CGATATTGTGCCAATGCCTTCAAACTTCACAGGTTGCCTATCCCTCGTCCAGGTGAAGTT
TTGGGATTAGTTGGAACTAATGGTATTGGAAAGTCAACTGCTTTAAAAATTTTAGCAGGA
AAACAAAAGCCAAACCTTGGAAAGTACGATGATCCTCCTGACTGGCAGGAGATTTTGACT
TATTTCCGTGGATCTGAATTACAAAATTACTTTACAAAGATTCTAGAAGATGACCTAAAA
GCCATCATCAAACCTCAATATGTAGACCAGATTCCTAAGGCTGCAAAGGGGACAGTGGGA
TCTATTTTGGACCGAAAAGATGAAACAAAGACACAGGCAATTGTATGTCAGCAGCTTGAT
TTAACCCACCTAAAAGAACGAAATGTTGAAGATCTTTCAGGAGGAGAGTTGCAGAGATTT
GCTTGTGCTGTCGTTTGCATACAGAAAGCTGATATTTTCATGTTTGATGAGCCTTCTAGT
TACCTAGATGTCAAGCAGCGTTTAAAGGCTGCTATTACTATACGATCTCTAATAAATCCA
GATAGATATATCATTGTGGTGGAACATGATCTAAGTGTATTAGACTATCTCTCCGACTTC
ATCTGCTGTTTATATGGTGTACCAAGCGCCTATGGAGTTGTCACTATGCCTTTTAGTGTA
AGAGAAGGCATAAACATTTTTTTGGATGGCTATGTTCCAACAGAAAACTTGAGATTCAGA
GATGCATCACTTGTTTTTAAAGTGGCTGAGACAGCAAATGAAGAAGAAGTTAAAAAGATG
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GCTGGAGAGTTTACAGATTCTGAAATTATGGTGATGCTGGGGGAAAATGGAACGGGTAAA
ACGACATTTATCAGAATGCTTGCTGGAAGACTTAAACCTGATGAAGGAGGAGAAGTACCA
GTTCTAAATGTCAGTTATAAGCCACAGAAAATTAGTCCCAAATCAACTGGAAGTGTTCGC
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ATGAAGCCTCTGCAAATTGAAAACATCATTGATCAAGAGGTGCAGACATTATCTGGTGGT
GAACTACAGCGAGTAGCTTTAGCCCTTTGCTTGGGCAAACCTGCTGATGTCTATTTAATT

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GATGAACCATCTGCATATTTGGATTCTGAGCAAAGACTGATGGCAGCTCGAGTTGTCAAA
CGTTTCATACTCCATGCAAAAAAGACAGCCTTTGTTGTGGAACATGACTTCATCATGGCC
ACCTATCTAGCGGATCGCGTCATCGTTTTTGATGGTGTTCCATCTAAGAACACAGTTGCA
AACAGTCCTCAAACCCTTTTGGCTGGCATGAATAAATTTTTGTCTCAGCTTGAAATTACA
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GTTTGCCAAGTATGCCAGTGTAATGAAACTGCCCTTATTTTAAAAGCCAGTCAAAGATTC
CACTGATTGACATTTGATAAATAAACATCAGGATTATGTTTATTGTTTGTTTTCAGTCTT
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AAGGCAACATTAATGCAAAAGTCCCCAGATGGCAATACAAAGTATCCCCTGGTACCACAT
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AATGACTGGGGCAAGCAAAATTGAGGAGGAAATTAGAAACTGTTTGACAAACTTTAAGAG
CTACTTGAAATAACAGAAGTCTTGATTAATATGCAAATAATGGCTAGAAAGTATGGTTTA
ACTGGACCCTATTATGCCTTTTAAAAATAATTTCAGTAACCCATAAATACATGTTGTAAA
AAATTCAAATATACAGAATGGAATAAAAAAATGATCTCCCTTTATTACCCTCCCAAAGGT
TACCAGCGTTTGAATTTAATAATGTATATTCTTTCATGCTTTTTTCTGTGCACTTACCTA
AGTGTGAATATGTAAAGGGTTTGTTTTGTATACAAATGGGATTATACTAAAATAAGTAAT
GCCTATTTTTAAGGATAGGTTAAATTTGTGAATGATCATTTCAAATATATTGAATAAAAT
AAGCAAAAGCTAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_001040876

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001040876.1, NP_001035809.1

RefSeq Size: 4191 bp

RefSeq ORF: 1800 bp

Locus ID: 6059

UniProt ID: P61221

Cytogenetics: 4q31.21

Protein Families: Druggable Genome

Gene Summary: The 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. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.