

Product datasheet for **SC306782**

ABCA12 (NM_173076) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ABCA12 (NM_173076) Human Untagged Clone
Tag: Tag Free
Symbol: ABCA12
Synonyms: ARCI4A; ARCI4B; ICR2B; LI2
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_173076 edited
 ACTGATACACTGACATACAGCAAGTTGGACGGGCATCAGTTCCTCATTGTGGAGTGGAG
 GAAAAGAAGAGGAAATCTCTCATTGGGGCATTGAAGGATGGCTTCCCTGTTTCATCAG
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 AATGGCTTCATTTGAAGAAAAGCCACAGAAGATACACTTCCGCAAGATATCTTCATTTT
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**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_173076 unedited
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 CCACTTCAGTGATTTTTTTTTGGCTTCCATGGGCTCCTACTGCTTTCAGCCAGTGAGGAT
 CAATGGCAGGAGAGGGAGAGAGAGACAGAGGGAGGAGAAAAGTGAGGCATTATCTGAAT
 GATGCTCATTCTCTTGGAGTCTGGACTTCGTGCAACAAGCAGCAACTGGATATTATTTT
 AAAATAAGCATAAGCCACCCAAAGATACTGATCTGGGTCCTTCTTTTGAAGAAGAGTTG
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 AACTGTGGGTTTTCTTACCCAGCCCTCAAGGAAGCTATGCCGTGAAAGGGGTACTGATAC
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 GAGGAAATCTCTCATTTGGGGCATTGGAAGGATGGCTTCCTGTTTCATCAGCTTCAGAT
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 CTTATGGCCAGTCATTATNTCATAATTTTGGCTATTACTCGACCAAATTTCCCTCCAC
 TGCAAAACCAACTTGNACCTCGCACCTCGAAACCTTCTAGTACTGGATTCTTTTCATT
 CCTGCAGACCCTACTCTGTGACACAGACTCTAAATGGCAAGACCCACCCTATGGCCACA
 AGATCTGCTTCGTAGGAAAGGAATTGATGATGCCCTATTTAAGACAGTGAGATCTGAA

**3' Read Nucleotide
 Sequence:**

>OriGene 3' read for NM_173076 unedited
 NCCATTGGAATGGCACTTCCAGNCCAGAAAAGCACTGGGGNAGGGTCACAGGGATGCCA
 CCCGGGATCTGTTAGGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTT
 TTTTTTTTTTCTTTTAACTGTCTTTTTATTGAAAGTAATAAATTAAGATATTCATC
 TTGAGGTGGCTTACCTTTGCATAAGAATCACCAGCATATACATTAGCATGCTCACAGTG
 TTGAGTATACAGGAATTCATTTAGTAGCAACAACACTCACTGACCTTAGAAGGAAAAAT
 TTCCTTTTATAATTACTTGTAGTCTAACACAGTTGTAACCTTTCCATACAGTATATTACT
 TTACTTTAAAATGAAGATATCTTGCAGGAAAGTATCTTCTGTGGCTTTTCTTCAAATGA
 AGCCATTGGTCACATGCTGAGATTGAGTTTGTGGAAGTGTTAAGACTCCATCTGGTCAT
 CTTGTGAGTCAACACTTATAGTGGAACTTGGCTGCTGGTATCAGCAGTTTCATAGGACT
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 TTGTAATATTTAAAGCAGTCTTGTGGTTTCCAGCAGATCAAAAATGTTTGGACTCCTC
 CTGCTGTGACTGGTACATGATACTCTAGCATGCTGAGGTGCTGATCTTTTAAGTATGTTT
 TTGGAAAGTGCAGCTGCATGAACCTTGTGAGGGTCTCCATGGTCACTTTGTTATTCTCCA
 ATGAACCTTTGACAGTAAATCCTCGTCCAACCTGCTCTTTATGTGCTGCAAAGATCCATA
 CATTGAAACTTTCCATTCACCAATATGGCCAACCTGTTACAGAGAGCTTCACATTTCTCC

Restriction Sites:

Please inquire

ACCN:

NM_173076

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:

There are 2 nucleotide differences between the OriGene clone and the NCBI reference ORF. OriGene considers these to be polymorphisms and to reflect the natural differences between individuals. These result in the conservative substitution of 1 amino acid (Thr/Ser at amino acid 777).

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_173076.2, NP_775099.2</u>
RefSeq Size:	9112 bp
RefSeq ORF:	7788 bp
Locus ID:	26154
UniProt ID:	<u>Q86UK0</u>
Cytogenetics:	2q35
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ABC transporters
Gene Summary:	<p>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 intracellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, and White). This encoded protein is a member of the ABC1 subfamily, which is the only major ABC subfamily found exclusively in multicellular eukaryotes. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a).</p>