

Product datasheet for **SC200882**

ABCB7 (NM_004299) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ABCB7 (NM_004299) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ABCB7
Synonyms:	ABC7; ASAT; Atm1p; EST140535
ACCN:	NM_004299
Insert Size:	2000 bp



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Insert Sequence:

>SC200882 3'UTR clone of NM_004299

The sequence shown below is from the reference sequence of NM_004299. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTGAAAGGCTGTGAAACTGTTCTGTGCTAAGTCACATAAGACATTTTCTTTTTTTGTTGTTTTGGACTA
CATATTTGCACTGAAGCAGAATTGTTTTATTAATAAAAAATCATACATTTCCATTTTCTATAATCCTCTT
TTAGATAAGATTTATTTAAAAGGGGATTTGAGTTTTACATCTTTCATAGTCTATTTAATGTGGCATCTG
TATTTATCCCAAATTTTCTTGTCACTGTCCTGGTTGTGCTCAATGCATACTTTTTGCTACCTGTT
TGATATTACCACATTACCCTCTGAGGCCTGACATTCATTTGATCTATAGCCAGATGAATCAGATTGGT
TTCCCAATTTTTATAGTTTTTAAAACCTTTATGCTGACAATTTAGAGGAAAAGTGTCTGTTTCTTAACA
TGAAAGAAAAAGAGGATAGTGTAGGTTTCATTTGTTCTTCTCCCTCTCGTCCAATTGAAATTGATGTG
AAAATGAATTTATAAACTTTTAAAATTAGAATGTATCAGAAATAGACATGATTTATAGTTTGTATGCT
TACTTGATAGGTTACTACTTTTTTCTTTTTTGTGTTTGTGTTTTTGTGTTTTTGTGTTTTTTTTTTT
TGAGACAGATTCTCATTCTGTCACCCAGGCTGGAGTTCAGTGGCAGATCTCGGCTCTCTGCAACCTCTG
TCTTCTGAGTTCAAGCAATTATCATGCCTTGGCCTCCCAAGTAGCTGGAATTACAGGCGCATGACACCA
CACCTGGCTAATTTTTCTGTTTTAGTAGAGACAGGGTTTTGCCATGTTGGCCAGGCTGGTCTTGAAC
CCTGACCTCACATGATCCGCCACCTTGGCCTCCCAAAGTTCTGGGATTACAGGTGTGAGCCATCATGC
CCAGCCTATACTAGAATTTTTTTTTTTTTTTTTTTTGGAGCGGAGTCTCGCTCTTCTCCAGGCTGGA
GTGCAGTGGCGCATCTCGGCTCACTGCAAGCTCCGCCTCCTGGGTTACGCCATTCTCCTGCCTCAGC
CTCCTGAGTAGGTGGGACTACAGGCGCCGCCACCATGCCTGGCTAATTTTTTTGTATTTTTTAGTAGAG
ATGGGGCTTACCGTGTTAGCCAGGATGTTCTCAATCTCCTGACCTCGTATCTGCCCGCTCGGCCTC
CCAAAGTGTGGGATTACAGGCTTGGAGCCACCGCACCAGCCGCGCTAGAATTTTTGAAAGTATTGCAACT
ATGTAATTTTTGAAGAAAAAACCTTCTCATTCTCATGTCGCTATGTAGAATTTCTCATCATTAAGCA
GCACCATAACTATCATCTAGTGATTAGAATTTTTTTTTCCATAAAAAATAGAGGCACTGTTTTTGT
TGGACAAAACACATTTTTCTTTAAAGATTTACAACTCCTATGTAATTTGAAAGTTGCTATACTGG
GAGTAATCTGAAAAGCTTAGAAAAGTTCATTTCTTTTATATTTCCATCTAAATGTGCTGCTTTTTCTA
TTCGAAGTTTACAAGAAACAAGTAAATGGGATGTCGTGCATGTATGCACATGCTCACACGTGTATAAA
TCAGTGTCCATTTAAAAATATTAACATTTAGGTAATAGAGTATTACATATTACTCTTTAGATGAT
CAAGACTCTAATCTGTGTTGACACTTCAGAATTTATTAAGATCTTCCCTACTTTTCAGTAATTTAA
TTAGTTTCTTTAAGCCTGACATAACGAGGAGGCCAAACAACATAATCAAGTTTTACCTGGGAGGA
AAAAAGTTTTACCTGCTAGAAAGAAATTAATAAATATTGCTATACATTTCACTTAGAAAGTTCTTCTCT
TTTCCAGTATGAACTTGCTTTTCAATTTGTTTGGTAGTAATCATTCAATTTGAAAACATATGCACCTCATG
AATGGCCACATAACTATGTAATAAGGTTTTATTCTCAGAAAAGGTCCTAATATTTTATTGGTTTATA
ACGCGT AAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCCGCCCTTCTATGAAAGG
    
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Restriction Sites:

Sgfl-Mlul

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq:

[NM_004299.6](#)

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 MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance as well as antigen presentation. This gene encodes a half-transporter involved in the transport of heme from the mitochondria to the cytosol. With iron/sulfur cluster precursors as its substrates, this protein may play a role in metal homeostasis. Mutations in this gene have been associated with mitochondrial iron accumulation and isodiscentric (X)(q13) and sideroblastic anemia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2012]

Locus ID:

22

MW:

78.1