

Product datasheet for **SC309931**

ABCB4 (NM_000443) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABCB4 (NM_000443) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABCB4
Synonyms:	ABC21; GBD1; ICP3; MDR2; MDR2/3; MDR3; PFIC-3; PGY3
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_000443, the custom clone sequence may differ by one or more nucleotides

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ATGGATCTTGAGGCGGCAAGAACGGAACAGCCTGGCGCCCCACGAGCGGGAGGGCGAC
TTTGAAGTGGGCATCAGCAGCAAACAAAAAGGAAAAAACGAAGACAGTGAAAATGATT
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GGCCGGACCACCATTTGTGATAGCACACCGACTGTCTACGGTCCGAAATGCAGATGTCATC
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GCACAGAAAGGCATCTATTTTCAATGGTCAGTGTCCAGGCTGGGACACAGAACTTATGA
    
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Restriction Sites:

Please inquire

ACCN:

NM_000443

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_000443.2](#), [NP_000434.1](#)

RefSeq Size: 5764 bp

RefSeq ORF: 3840 bp

Locus ID: 5244

UniProt ID: [P21439](#)

Cytogenetics: 7q21.12

Domains: ABC_membrane, ABC_tran, AAA

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: ABC transporters

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 MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance as well as antigen presentation. This gene encodes a full transporter and member of the p-glycoprotein family of membrane proteins with phosphatidylcholine as its substrate. The function of this protein has not yet been determined; however, it may involve transport of phospholipids from liver hepatocytes into bile. Alternative splicing of this gene results in several products of undetermined function. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (A) encodes the predominant isoform (A).