

Product datasheet for **SC314542**

ABCB9 (NM_019624) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABCB9 (NM_019624) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABCB9
Synonyms:	EST122234; TAPL
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_019624, the custom clone sequence may differ by one or more nucleotides

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ATGCGGCTGTGGAAGGCGGTGGTGGTACTTTGGCCTTCATGAGTGTGGACATCTGCGTG
ACCACGGCCATCTATGTCTTCAGCCACCTGGACCGCAGCCTCCTGGAGGACATCCGCCAC
TTCAACATCTTTGACTCGGTGCTGGATCTCTGGGCAGCCTGCCTGTACCCGAGCTGCCTG
CTGCTGGGAGCCACCATTGGTGTGGCCAAGAACAGTGCCTGCGGGCCCGCGGGTGGG
GCCTCGTGGCTGGTCATACCCTCGTGTGCCTTTCGTGGGCATCTATGCCATGGTGAAG
CTGCTGCTCTTCTCAGAGGTGCGCAGGCCATCCGGGACCCTGGTTTTGGGCCCTGTTT
GTGTGGACGTACATTTCACTCGGCGCATCCTTCCTGCTCTGGTGGCTGCTGTCCACCGTG
CGGCCAGGCACCCAGGCCCTGGAGCCAGGGGCGGCCACCGAGGCTGAGGGCTTCCCTGGG
AGCGGCCCGGCCACCGCCGAGCAGGCGTCTGGGGCCACGCTGCAGAAGCTGCTCTCCTAC
ACCAAGCCCGACGTGGCCTTCTCGTGGCCGCCTCCTTCTCCTCATCGTGGCAGCTCTG
GGAGAGACCTTCTGCCCTACTACAGGGCCGCGCCATTGATGGCATCGTCATCCAGAAA
AGCATGGATCAGTTCAGCACGGTGTGTCATCGTGTGCCTGCTGGCCATTGGCAGCTCA
TTTGCCGACAGTATTCGGGGCGCATTTCCTCATATTTGCCAGACTGAACATTCGC
CTTCGAAACTGTCTTCCGCTCACTGGTGTCCAGGAGACAAGTTCCTTGGATGAGAAC
CGCACAGGGGACCTCATCTCCCGCTGACCTCGGACACCACCATGGTCAGCGACCTGGTC
TCCCAGAACATCAATGTCTTCTGCGGAACACAGTCAAGGTCACGGGCGTGGTGGTCTTC
ATGTTACGCTCTCATGGCAGCTCTCCTTGGTACCTTCATGGGCTTCCCATCATCATG
ATGGTGTCCAACATCTACGGCAAGTACTACAAGAGGCTCTCCAAGAGGTCAGAAATGCC
CTGGCCAGAGCGAGCAACACGGCGGAGGAGACCATCAGTGCCATGAAGACTGTCCGGAGC
TTCGCCAATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
CTGAACAGGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG
TCCGTCTACAGTGGCCTGATGCAGGGAGTGGGGGCTGCTGAGAAGGTGTTTCGAGTTCATC
GACCGGCAGCCGACCATGGTGCACGATGGCAGCTTGGCCCCGACACCTGGAGGGCCGG
GTGGACTTTGAGAATGTGACCTTACCTACCGCACTCGGCCCCACACCCAGGTCCTGCAG
AATGTCTCCTTACGCTGTCCCCGGCAAGGTGACGGCCCTGGTGGGGCCCTCGGGCAGT
GGGAAGAGCTCCTGTGTCAACATCTGGAGAATTCTACCCCTGGAGGGGGGGCCGGGTG
CTGCTGGACGGCAAGCCATCAGCGCTACGACCACAAGTACTTGCACCGTGTGATCTCC
CTGGTGAGCCAGGAGCCGCTGTTTCGCCGCTCCATCACGGATAACATCTCCTACGGC
CTGCCACTGTGCCTTTCGAGATGGTGGTGGAGGCCGACAGAAGGCCAATGCCACGGC
TTCATCATGGAATCCAGGACGGCTACAGCACAGAGACAGGGGAGAAGGGCGCCAGCTG
TCAGGTGGCCAGAAGCAGCGGTGGCCATGGCCCGGGCTCTGGTGCAGAACCCCCAGTC
CTCATCTGGATGAAGCCACCAGCGCTTGGATGCCGAGAGCGAGTATCTGATCCAGCAG
GCCATCCATGGCAACCTGCAGAAGCACACGGTACTCATCATCGCGCACCGGCTGAGCACC
GTGGAGCACGCGCACCTATTGTGGTGTGGACAAGGGCCGCGTGTGAGCAGCGGCACCC
CACCAGCAGCTGCTGGCCAGGGCGGCCTTACGCCAAGCTGGTGCAGCGGCAGATGCTG
GGGCTTACGCCCGCCGACAGCTTACAGCTGGCCACAACGAGCCTGTAGCCAACGGCAGT
ACAAGGCC
    
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Restriction Sites: Please inquire

ACCN: NM_019624

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:	<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_019624.2</u> , <u>NP_062570.1</u>
RefSeq Size:	3377 bp
RefSeq ORF:	2172 bp
Locus ID:	23457
UniProt ID:	<u>Q9NP78</u>
Cytogenetics:	12q24.31
Domains:	ABC_membrane, ABC_tran, AAA
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ABC transporters, Lysosome
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 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 family member functions in the translocation of peptides from the cytosol into the lysosomal lumen. Alternative splicing of this gene results in distinct isoforms which are likely to have different substrate specificities. [provided by RefSeq, Jul 2011]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the central coding region, compared to the variant 1, resulting in an isoform (2) that is shorter than isoform 1. There are no publicly available transcripts representing this variant; it is supported by experimental data in PMID:10748049.</p>