

## Product datasheet for **SC308182**

### **ABCB9 (NM\_203444) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ABCB9 (NM_203444) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABCB9
Synonyms:	EST122234; TAPL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC308182 representing NM\_203444.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATCGCGCTGTGGAAGCGGTGGTGGTACTTTGGCCTTCATGAGTGTGGACATCTGCGTGACCACGGCC
ATCTATGTCTTTCAGCCACCTGGACCGCAGCCTCCTGGAGGACATCCGCCACTTCAACATCTTTGACTCG
GTGCTGGATCTCTGGGCAGCCTGCCTGTACCGCAGCTGCCTGCTGCTGGGAGCCACCATTGGTGTGGCC
AAGAACAGTGCCTGGGGCCCCGGCTGCGGGCCTCGTGGCTGGTATCACCCTCGTGTGCCTCTTC
GTGGGCATCTATGCCATGGTGAAGCTGCTGCTCTCTCAGAGGTGCGCAGGCCCATCCGGGACCCCTGG
TTTTGGGCCCTGTTCGTGTGGACGTACATTTCACTCGGCGCATCCTTCTGCTCTGGTGGCTGCTGTCC
ACCGTGCAGCCAGGACCCAGGCCCTGGAGCCAGGGGCGGCCACCGAGGCTGAGGGCTTCCCTGGGAGC
GGCCGGCCACCGCCGAGCAGGCGTCTGGGGCCACGCTGCAGAAGCTGCTCTCTACACCAAGCCCGAC
GTGGCCTTCTCGTGGCCGCTCCTTCTCTCATCGTGGCAGCTCTGGGAGAGACCTTCTGCCCTAC
TACACGGGCCCGCCATTGATGGCATCGTCATCCAGAAAAGCATGGATCAGTTACAGCAGGCTGTGCTC
ATCGTGTGCCTGCTGGCCATTGGCAGCTCAATTTGCCGCGAGGATTCGGGGCGGCATTTTTACCCTATA
TTTGCCAGACTGAACATTCGCCTTCGAAACTGTCTCTTCCGCTCACTGGTGTCCCAGGAGACAAGCTTC
TTTGATGAGAACCGCACAGGGGACCTCATCTCCCGCTGACCTCGGACACCACCATGGTACAGCGACTG
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CTGGGAAAGTGCAGCAGGTGTACAAGCTGAACAGGAAGGAGGCAGCTGCCTACATGTACTACGTCTGG
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GACCGGCAGCCGACCATGGTGCACGATGGCAGCTTGGCCCCGACCACCTGGAGGGCCGGGTGGACTTT
GAGAATGTGACCTTACCTACCGCACTCGGCCCCACACCAGGCTCTGCAGAATGTCTCTTTCAGCCTG
TCCCCCGCAAGGTGACGGCCCTGGTGGGGCCCTCGGGCAGTGGGAAGAGCTCTGTGTCAACATCTG
GAGAACTTCTACCCCTGGAGGGGGCCGGGTGCTGCTGGACGGCAAGCCATCAGCGCCTACGACCAC
AAGTACTTGCACCGTGTGATCTCCTGGTGGAGCCAGGAGCCGCTGCTGTTCCGCCCTCCATCACGGAT
AACATCTCTACGGCCTGCCACTGTGCCTTTCGAGATGGTGGTGGAGGCCGACAGAAGGCCAATGCC
CACGGCTTCATATGAACTCCAGGACGGCTACAGCACAGAGACAGGGGAGAAGGGCGCCAGCTGTCA
GGTGGCCAGAAGCAGCGGTGGCCATGGCCCGGCTCTGGTGGGAACCCCCAGTCTCATCTCTGGAT
GAAGCCACCAGCGCTTTGGATGCCGAGAGCGAGTATCTGTGTGCTGGGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTATCTCAGAAAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_203444

**Insert Size:** 2052 bp

**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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_203444.3</a>
<b>RefSeq Size:</b>	2636 bp
<b>RefSeq ORF:</b>	2052 bp
<b>Locus ID:</b>	23457
<b>UniProt ID:</b>	<a href="#">Q9NP78</a>
<b>Cytogenetics:</b>	12q24.31
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	ABC transporters, Lysosome
<b>MW:</b>	75.4 kDa
<b>Gene Summary:</b>	<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 (4, also known as 12B) has an alternate 3' exon and thus differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (4) has a distinct and shorter C-terminus, compared to isoform 1.</p>