

## Product datasheet for **SC123606**

### **ABCB9 (BC017348) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ABCB9 (BC017348) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABCB9
Synonyms:	ATP-binding cassette, sub-family B (MDR/TAP), member 9; EST122234; KIAA1520; TAPL
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for BC017348 edited
CACCCGCCACCTCCAACCAGCAGGATGCGGCTGTGGAAGGCGGTGGTGGTGACTTTGGC
CTTCATGAGTGTGGACATCTGCGTGACCACGGCCATCTATGTCTTCAGCCACCTGGACCG
CAGCCTCCTGGAGGACATCCGCCACTTCAACATCTTTGACTCGGTGCTGGATCTCTGGGC
AGCCTGCCTGTACCGCAGCTGCCTGCTGCTGGGAGCCACCATTGGTGTGGCCAAGAACAG
TGCGCTGGGGCCCCGGCGGCTGCGGGCCTCGTGGCTGGTCATACCCTCGTGTGCCTCTT
CGTGGGCATCTATGCCATGGTGAAGCTGCTCTTCTCAGAGGTGCGCAGGCCCATCCG
GGACCCCTGGTTTTGGGCCCTGTTCGTGTGGACGTACATTTCACTCGGGCATCCTTCCT
GCTCTGGTGGCTGCTGTCCACCGTGCGGCCAGGCACCCAGGCCCTGGAGCCAGGGGCGGC
CACCGAGGCTGAGGGCTTCCCTGGGAGCGGCCGCCACCGCCGAGCAGGCGTCTGGGGC
CACGCTGCAGAAGCTGCTCTCTACACCAAGCCCGACGTGGCCTTCTCGTGGCCGCTC
TTTCTTCTCATCGTGGCAGCTCTGGGAGAGACCTTCTGCCCTACTACACGGGCCGCGC
CATTGATGGCATCGTCATCCAGAAAAGCATGGATCAGTTCAGCACGGCTGTCGTCATCGT
GTGCTGCTGGCCATTGGCAGCTCATTTGCCGAGGTATTCGGGGCGGCATTTTTACCCT
CATATTTGCCAGACTGAACATTCGCCTTCGAAACTGTCTCTTCCGCTCACTGGTGTCCCA
GGAGACAAGCTTCTTTGATGAGAACCACAGGGGACCTCATCTCCCGCTGACCTCGGA
CACCACCATGGTCAGCGACCTGGTCTCCCAAGAATCAATGTCTTCTGCGGAACACAGT
CAAGGTACGGGCGTGGTGGTCTTCATGTTTCAGCCTCTCATGGCAGCTCTCCTGGTTCAC
TTTCATGGGCTTCCCATCATATGATGGTGTCCAACATCTACGGCAAGTACTACAAGAG
GCTCTCCAAGAGGTCCAGAATGCCCTGGCCAGAGCGAGCAACACGGCGGAGGAGACCAT
CAGTGCATGAAGACTGTCCGGAGCTTCGCCAATGAGGAGGAGGAGGCAGAGGTGACCT
GCGGAAGCTGCAGCAGGTGTACAAGCTGAACAGGAAGGAGGCAGCTGCCTACATGTAATA
CGTCTGGGGCAGCGGGCTCACACTGCTGGTGGTCCAGGTGAGTCCCTACTACGGGGG
CCACCTTGTCTATCTCAGGCCAGATGACCAGCGGCAACCTCATCGCCTTTCATCATCTACGA
GTTTGTCTGGGAGATTGTATGGAGTCCGTGGGCTCCGTCTACAGTGGCCTGATGCAGGG
AGTGGGGGCTGCTGAGAAGTGTTCGAGTTCATCGACCGCAGCCGACCATGGTGCACGA
TGGCAGCTTGGCCCCGACCACCTGGAGGGCCGGGTGGACTTTGAGAATGTGACCTTAC
CTACCGCACTCGGCCCCACACCCAGGTCTGCAGAATGTCTCTTTCAGCCTGTCCCCGG
CAAGGTGACGGCCCTGGTGGGGCCCTCGGGCAGTGGGAAGAGCTCCTGTGTCAACATCCT
GGAGAACTTCTACCCCTGGAGGGGGCCGGGTGCTGCTGGACGGCAAGCCCATCAGCGC
CTACGACCACAAGTACTTGCACCGTGTGGTATGTGCACGGGCCTGGGCCACACTTCTCCG
CCTTTTCTGCATCTAACCGTCTTTCTTGTGAGCTGTAACAGGTGCGGAAGAGGGCACTAG
AGATAAATGGACAGTTCAAAGAATTATACCAATTACAATGCCCTCCTAGAGAAAACAGAA
CATTCTTGTCAGACGTGGTGGCTCACACCTGTAATCCCAGCATTTTGGGAAGCTGAGGC
TGGAGGATCCCTTGAGGCCAGCCTGGACAACATAGTGAGACTCCGTCTCTATTAATAAAG
AAAAAAGGGCAGATGTGATGGCCACGCCTGTAATCCCAGCACTTTGGGAGGCCAAGGC
AGGTGGACTGCTTGAGCTCAGGAGTTCAAGACCAGCATGGCCAACATGGCGAAACCCCAT
CTCTACTAAAAATACAGAAATTGGCCGGGTGTGGTGGCACATGCCTGTAATCTCAGCTCC
TCGGGAGGCTGAGGCACGAGAATCACTTGAACCCGGGAGGTAGAGGTTGCAGTGAGCCGA
GACTGGGCCACTGCACTGCAGCCTGGGCAACAGAATAAGACTCTGTCTCATGAAAAAATA
GAAATAGAACATTCTGGCACTCCAGAAGCCTCCTACCCCGCCATGTGTCCCTTCTCTT
TCCCAAGAAGTAATGTGTTGACTTTTAAAAAAAAAAAAAAAAAAAA
    
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC017348 unedited NNCCCCCAGACATCAATTTGTATACGACTCACTATAGGCGGCCCGGAATTCGCACGAG GCACCCGCCACCTCCAACCAGCATGATGCGGCTGTGGAAGGCGGTGGTGGTACTTTGG CCTTCATGAGTGTGGACATCTGCGTGACCACGGCCATCTATGTCTTCAGCCACCTGGACC GCAGCCTCCTGGAGGACATCCGCCACTTCAACATCTTTGACTCGGTGCTGGATCTCTGGG CAGCCTGCCTGTACCGCAGCTGCCTGCTGCTGGGAGCCACCATTGGTGTGGCCAAGAACA GTGCGCTGGGGCCCCGGCGGCTGCGGGCCTCGTGGCTGGTCATCACCTCGTGTGCCTCT TCGTGGGCATCTATGCCATGGTGAAGCTGCTGCTTCTCAGAGGTGCGCAGGCCATCC GGGACCCCTGGTTTTGGGCCCTGTTCTGTGGACGTACATTTCACTCGGGCATCCTTCC TGCTCTGGTGGCTGCTGTCCACCGTGCGGCCAGGCACCCAGGCCCTGGAGCCAGGGGCGG CCACCGAGGCTGAGGGCTTCCCTGGGAGCGGCCGCCACCGCCGAGCAGGCGTCTGGGG CCACGCTGCAGAAGCTGCTCTCCTACACCAAGCCCGACGTGGCCTTCTCGTGGCCGCT CCTTCTTCTCATCGTGGCAGCTCTGGGAGAGACCTTCTGCCCTACTACAGGGCCGCG CCATTGATGGCATCGTCATCAAATAGCATGGATCAATTCAGCACGGCTGTCGTATCGT GTGCCCTGTGGCCATAGGCAGCTCATTTGCCCCAGTTTTCGGGGGGCATTTTTACCTC ATATTTGCN
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC017348
<b>Insert Size:</b>	2454 bp
<b>OTI Disclaimer:</b>	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).
<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="#">BC017348.2</a> , <a href="#">AAH17348.1</a>
<b>RefSeq Size:</b>	2445 bp
<b>RefSeq ORF:</b>	1788 bp
<b>Locus ID:</b>	23457
<b>Cytogenetics:</b>	12q24.31
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	ABC transporters, Lysosome

**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 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]