

Product datasheet for MC224126

Abcb1a (NM_011076) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcb1a (NM_011076) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Abcb1a
Synonyms:	Abcb4; Evi32; mdr-3; Mdr1a; Mdr3; P-gp; Pgp; Pgy-3; Pgy3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224126 representing NM_011076 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGAACCTGAAGAGGACCTTAAGGGAAGAGCAGACAAGAAGCTTCTCAAAGATGGGCAAAAAGAGTAAAA
AGGAGAAGAAAAGAAAAGAAACCAGCAGTCAGTGTGCTTACAATGTTTCGTTATGCAGGTTGGCTGGACAG
GTTGTACATGCTGGTGGAACTCTGGCTGCTATTATCCATGGAGTGGCGCTCCCACTTATGATGCTGATC
TTTGGTGACATGACAGATAGCTTTGCAAGTGTAGGAAACGTCTCTAAAAACAGTACTAATATGAGTGAGG
CCGATAAAAGAGCCATGTTTGCCAAACTGGAGGAAGAAATGACCACGTACGCCTACTATTACACCGGGAT
TGGTGCTGGTGTGCTCATAGTTGCCTACATCCAGGTTTCATTTTGGTGCCTGGCAGCTGGAAGACAGATA
CACAAGATCAGGCAGAAGTTTTTTCATGCTATAATGAATCAGGAGATAGGCTGGTTTGATGTGCATGACG
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AATGTTCTTCCAGGCAATGGCAACATTTTTTGGTGGTTTTATAATAGGATTTACCCGTGGCTGGAAGCTA
ACCCTTGTGATTTTGGCCATCAGCCCTGTTCTTGGACTGTCAGCTGGTATTTGGGCAAAGATATTGTCTT
CATTTACTGATAAGGAACTCCATGCTTATGCAAAAGCTGGAGCAGTTGCTGAAGAAGTCTTAGCAGCCAT
CAGAAGTGTGATTGCGTTTTGGAGGACAAAAGAAGAACTTGAAGGTACAATAACAACCTTGAAGAAGCT
AAAAGGCTGGGGATAAAGAAAGCTATCACGGCCAACATCTCCATGGTGCAGCTTTTCTCCTTATCTATG
CATCATATGCTCTGGCATTCTGGTATGGGACTTCTTGGTCATCTCCAAAGAATACTCTATTGGACAAGT
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TTCGCCAATGCACGAGGAGCAGCTTATGAAGTCTTCAAAATAATTGATAATAAGCCAGTATAGACAGCT
TCTCAAAGAGTGGGCACAAACCAGACAACATACAAGGAAATCTGGAATTTAAGAAATTTCACTTCAGTTA
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ATGGCATGGTCAGTATCGACGGACAGGACATCAGAACCATCAATGTGAGGTATCTGAGGGAGATCATTGG
TGTGGTGAAGTCAAGAACCTGTGCTGTTTCCACCACGATCGCCGAGAACATTCGCTATGGCCGAGAAGAT



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GTCACCATGGATGAGATTGAGAAAGCTGTCAAGGAAGCCAATGCCTATGACTTCATCATGAAACTGCCCC
ACCAATTTGACACCCTGGTTGGTGAGAGAGGGGCGCAGCTGAGTGGGGGACAGAAACAGAGAATCGCCAT
TGCCCCGGGCCCTGGTCCGCAATCCCAAGATCCTTTTGTGGACGAGGCCACCTCAGCCCTGGATACAGAA
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TCATGATGAGCTCATGAGAGAAAAGGCCATTTACTTCAAACCTTGCATGACACAGACAGCAGGAAAATGAA
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CAGGATCCAGTCTAATAAGAAGAAGATCAACTCGCAAAGCATCTGTGGACCACATGACCAAGACAGGAA
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TCAAAGTGAATGGCCTTATTTTGTGGTTGGTATATTCTGTGCCATAATAAATGGAGGCTTACAGCCAGCAT
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CAGCAACTTGTTCCTTGTGTTTCTGATCCTTGGGATCATTCTTTCATTACATTTTTTCTTCCAGGGC
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GACAGGATGTGAGCTGGTTTGTGACCCAAAAACACCACCGGAGCACTGACCACCAGGCTCGCCAACGA
TGCTGCTCAAGTAAAAGGGGCTACAGGGTCTAGGCTTGTGTGATTTTCCAGAACATAGCAAATCTTGGG
ACAGGAATCATCATATCCCTAATCTATGGCTGGCAACTAACACTTTTACTCTTAGCAATTGTACCATCA
TTGCGATAGCAGGAGTGGTTGAAATGAAATGTTGTCTGGACAAGCACTGAAAGATAAGAAGGAACTAGA
AGGTTCTGGAAAGATTGCTACGGAAGCAATTGAAAACCTCCGCACTGTTGTCTCTTTGACTCGGGAGCAG
AAGTTTGAACCATGTATGCCAGAGCTTGAGATACCATACAGAAATGCGATGAAGAAAGCACACGTGT
TTGGGATCACGTTCTCCTTACCCAGGCCATGATGATTTTTTCTATGCTGCTTGTTCGGTTCGGTGC
CTACTTGGTGACACAACACTCATGACTTTTAAAAATGTTCTGTTAGTATTCTCAGCTATTGCTTTGGT
GCCATGGCAGTGGGGCAGGTCAGTTCATTCGCTCCTGACTATGCGAAAGCCACAGTGTGAGCATCCACA
TCATCAGGATCATTGAGAAAACCCCGAGATTGACAGCTACAGCAGCAGGCAAGGCCCTAAAGCCGAATATGTT
GGAAGGAAATGTGCAATTTAGTGGAGTCGTGTTCAACTATCCACCCGACCCAGCATCCCAAGTCTTCAG
GGGCTGAGCCTTGAAGTGAAGAAGGGCCAGACGCTGGCCCTGGTGGGAGCAGTGGCTGCGGGAAGAGCA
CAGTGGTCCAGCTGCTCGAGCGTTCTACGACCCCATGGCTGGATCAGTGTTCAGATGGCAAAGAAAT
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TGCAGCATCGCAGAGAACATTGCCTACGGAGACAACAGCCGGGTCGTGTCTTATGAGGAGATTGTGAGGG
CAGCCAAGGAGGCCAACATCCACCAGTTCATCGACTCGCTACCTGATAAATAACAACACCAGAGTAGGAGA
CAAAGGCACTCAGCTGTCGGGTGGGAGGAGCAGCGCATCGCCATCGCACGCGCCCTCGTCAGACAGCCT
CACATTTTACTTCTGGACGAAGCAACATCAGCTCTGGATACAGAAAGTAAAAGGTTGTCCAGGAAGCGC
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CTTGATCGTGGTATTGAGAACGGCAAGGTCAGGAGCAGCGCACCCACCAGCAGCTGCTGGCGCAGAAG
GGCATCTACTTCTCAATGGTCAGTGTGCAGGCTGGAGCAAAGCGCTCATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1602_a12.zip
Restriction Sites: SgfI-MluI
ACCN: NM_011076
Insert Size: 3831 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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:	NM_011076.2 , NP_035206.2
RefSeq Size:	4977 bp
RefSeq ORF:	3831 bp
Locus ID:	18671
UniProt ID:	P21447
Cytogenetics:	5 3.43 cM
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 gene encodes a p-glycoprotein which actively transports a variety of hydrophobic amphipathic drugs and plays a major role in the blood-brain barrier permeability of certain drugs. [provided by RefSeq, Jul 2008]</p>