

## Product datasheet for **MC224768**

### Abca8b (NM\_013851) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Abca8b (NM\_013851) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Abca8b  
**Synonyms:** Abca8  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC224768 representing NM\_013851  
 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC**GGCGC**  
**GCCC**

ATGATCAAGAGAGAGATAAGTGTGCGCCAACAACTTGTGCTTTATTACAGAAGAACCTTCTTAAGAAAT  
 GGAGACTGAAAAGGGAGTCCTTGATGGAGTGGGTGAGCTCCTTGCTCCTTCTGCTTTTCTGTATTGGTA  
 TCCCCATGGTCATGGAGCTACTGACCTGTCTTCAGTGCCACCAAGGATCTGGGACGAGTCGATTCTTTC  
 AGACAATCTGGGTTTCATGATAGGGTACACGCCTGTCAACAGCATGACACAACAGATAATGGAGAAGGTAG  
 CTGCAACCCCTTTCATGGCAGATAAAAAAGTCTTGGGACTGTTGGATGAAGAAAATCAAGGAATTAAC  
 AGAAAGTCATGCAGAAATAATAAGAGTCATTTTTCTGACACATTCTCATACCATCTGAAATTCAGTTT  
 GATCAGAGAATCCCAACGTCGAGGGAACCTCAGAGACCAATAATGCTCATTGTGATGGACTGTATGAAGATG  
 TCAACTGTCTGATAGCCATATTCGGAAGGAAGGATTTGTGGCTCTTCAAGCTGCCATCAATGCTGCCAT  
 CATAGAAACCACAACAACCAATTCAGTGATGGAGGAACGCTATCAGTGTGAGGAAATTCATGAAGATC  
 CATCCTTTTGTCCGTCAAGAAGGAATTCGACTGATTTCTTTATTTTACCTGCATCATTCTCTCTCCC  
 CAATCACCTATTATGTGCAATCAATGTTGCAAGAGAGAGGAAAAGGATGAAGGGCTTGATGATGATGAT  
 GGGCCTTCGAGATCCAGCATTCTGGCTATCTGGGGTCTGCTCTATGCTGGCTTTGTCTTATTATGGCT  
 CTATCCCTGGCACTTGTATCAATCTGTCCAGTTTTTTATTCTAACCAGCTTCATGGTGGTCTTTAGCC  
 TCTTCTCCTTTATGGATTATCTATGACTTTGGCTTCTCTAATGAGTGCCTTGGTGAGGAAGTCTGT  
 CCTCACTGGCCTGTCTGTGTTTCTTCTCACCATCTTCTGGGGAAGTCTAGGCTTACATCCCTGTACAGA  
 TACCTCCCTGCACCTGTGGAATGGACTCTCAGTCTCTTTAGCCCTTTGCCTTCACTAGGAATGGCCC  
 AGCTCTTACGTGTGGATTATGATTTAAATCTAATGCACCCCTGATCCAGCCAGTGGCTCAAATCTGAT  
 TATAGCAACCAATTTTCATGCTGGTATTTGATGCGTTTTTGTATCTGGCCCTGATGATGACTTCGAAAA  
 GTTCTGCCAAATGAATACGGACATCAGCACTCTCCCCTGTTTTCTGAAATCTTCAATTTGGCTACAAA  
 CACGAAAGCCTGCTCATGTGATTCTTGAAGATGGAATAGACCCCGTTCTTCATCAGGTGACTCGTTTGA  
 ACCGGTGTCCCCAGAATTCACGGGAAAGAATCCATCAGAATCAGAAATATTTCAAAGAATACAAAGGA  
 AAGCCCAATAAATAAGAAGCCTTAAAAGACCTGACGTTGGACATATATGAAGCCCAATCACAGCAGTAC



TTGGTCACAGTGGAGCTGGGAAATCAACACTGTTAAATATTCTTAGCGGATTATCTGTTCTACTAAAGG  
 TTCTGTCAACATCTATAATAATAACTTATCAGAAATGGCTGACCTTGAAAACATCTTGAGGATTGCTGGA  
 GTTTGTCCACAAGCCAATGTTCAATTTGACTTCCTTACTGTGAGAGAAAACTCAGGCTTTTTGCTAAAA  
 TAAGAGGAATCCACCCAAGATGTGGAGAAAGAGGTGCAAAGGGTTTTGCTAGAATTGGAATGAAAA  
 TATCCAAAATATCCTTGCTCAAAACCTAAGTGGGGACAGAAGAGAAAGCTGACTTTTGAATCGCCATT  
 TTAGGAGATTCTCAGATTTTCTACTGGATGAGCCCACCGCTGGCTGGATCCCTTTTCAAGGCACCGGG  
 TGTGGAATCCTCTGAAGGAGCGCAGAGCAGACCCGTGTGGTCTCTCAGCACGCACTTTCATGGATGAGGC  
 TGACATCCTGGCTGATAGGAAAGTGTTTCATCTCCAATGGGAGGCTGAAGTGTGCAGGATCATCGCTTTT  
 CTGAAGAAGAAATGGGGAGTTGGGTATCACTTAAGTTTGCAGCTGAAAGAAGTCTGTGTTCCAGAAAAACA  
 TCACATCGCTTGTAAACAGCACATCCCTGCAGCCAAGCTATCAGCTGAAGGGGAAGGAAAGCTTCTCTA  
 TACATTACCCTTAGAAACAACCTATAGATTTCCAGAGCTTTGCCAGAGTCTTGACAGCTGCTCGGACTG  
 GGAATTGAAAACATGTTGTTTCCATGACAACCTTGAATGAGGTGTTCTGAAGCTAGAAGGAAAAGCAT  
 CAATTGATGAACCAGAGGTTGACATCGTGGGAGAAGGACAACAGAGAGATCTGGGGACACAGAAAGGCT  
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 CAGCAAACCTGTGCGATCGCAAAGTTCGCTGTTGAAGTTAAAGCACGAAAGGAAAACACTTTTATCTG  
 TGCTCTTGATACTGGTAGTCGGCATCTGCTTTTTCTTTTTGAAAATATCTCAACGAAAATACGTCAAAG  
 CTCTTACACTTGGGAACCTTCCCCACACGATTACTTCTTGTCTCCGGGACAACAGCCCCAGGGCATGCTC  
 ACTCAGTTATTGATCATTAAAGACAGAGGCAAGCATTGACGACTTTATCCATTCTGTGGAACGCCAGA  
 ACATAGCTTTGGAAGTCGATGCTTCTGGAACCAGAGATGGTACAGATGACCCATCCTACAATGGAGCCCT  
 TATAGTGTCTGGCAATGAGAAGAACCACAGCTTTTCGTTTGCATGCAACACCAAGAGACTGAACTGCTTC  
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 ACAGAAGCACATATCTCATGGATGAAACTATTCATCCTTTAGAAGACCTATGGAAGACTGCATTCTGGCT  
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 TGTACTGCTTTGTCTTCTCTTTCATGTCGTTAATGGACTACCTTTTTCGCTTCCCAGATACCATGTTTTT  
 TATTATAAGCCACGTCATACAAATCCCCTGTTCTGTTGGCTATGCCATATCCCTGATCTTCTAACATAC  
 GTGATTTCTGTTTCTCGCAAGGGGAAAAAAGCAGCGGCAATTTGGTCACTTAGCTTCTATATCATCA  
 CTGTGTTCTCAGTGGCTGTAATATTGCTGGCTTTTGTGTTGGATGGTACACAGTACTACATCATTTTTT  
 GATACCACCGTCCACTCTGGTTGGATGCTTGTCTTGTCTTTGCATCTTTTCATAGGTCAAATCTTTGAA  
 GAAGGACAAGTTATAGAGCCATTCTGGTATTCTCCTTCTTCTTCTCATGTTTTTCATTTTTATTTTTTA  
 CCCTTCGATGTCTGGAATGGAAGTTTGGAAAGAAAACAATGAGGAAAGATCCCATCTTTAGAATTTCTCC  
 AAGAAAACATGATGTGTATCAAAACCCAGAAGAGCCAGAAGATGAGGATGAAGATGTTCAAATGGAGAGA  
 ATGAGAACAGCGAATGCCTTGGTATCCACCAGTTTTGATGAGAAGCCAGTCATCATTGCCAGCTGCCTAC  
 GCAAAGAATATGCAGGGAAGCAGAAGCATTGCCTTCCAAGAAGAAGGCCAAGATAGCCACTAGGAATGT  
 CTCGTTTTGTGTGAGGAAAGGTGAGATTCTAGGATTGTTGGGACACAATGGAGCTGGCAAAGTACATCT  
 CTTAAAATGATAAGTGGAGACACAAAAGTCACAGCTGGGCAGGTGTTACTGAAAGGGAGCAGAGAAGGGG  
 ACACCCCGGGGTCTCTGGGGTACTGTCTCAGGAGAATGCTCTGTGGCCAACTCACTGTGAAGGAGCA  
 CCTGGAGATATTTGCTGCAGTGAAGGGCTTGCACAAAAGTCACGCTGCAGTCGCCATCACAAGGTTGGCA  
 GATGCGCTCAAGCTGCAGGACCAGCTGAAGTCTCTGTGAAGACGCTGTGAGGGGAGTGAAGAGAAAAGC  
 TGTGCTTCTGCTGAGCATCCTGGGAACCCATCTATATTGCTTCTAGATGAGCCGTCCTGTTGGCTGGA  
 TCTGAGGGGCGAGCAGCAAAATATGGCAAGCAATCAGGGCCATCATAAAAAATACAGACAGGGGTGCCCTG  
 CTGACCACCCATTACATGGCAGAGGCTGAGGCTCTGTGTGACCGAGTGGCCATCCTGGTGTCTGGAAGGC  
 TGAGGTGTATTGGATCCATCCAACATCTCAAAGCAAATTTGGCAAAGATTACCTGCTGGAGATGAAGGT  
 GAAGACCTCGAGCAGGTGGAGCCCTCAATACGGAGATCCTCAGGCTTTTTCCCAGGCTTCTAGGCAG  
 GAACGGTACTCTTCTGATGGCTTACAAATTACCAGTGAAGCTGTACAGCCTTTATCCCAAGCTTTCT  
 TCAAGTTAGAGAAAGTTAAGCAGACCTTTGACCTGGAGGAGTACAGCCTCTCTCAGTCTACCTGGAGCA  
 GGTCTTCTAGAGCTCTCAAGGAGCAGGAGCTGGATGGCCTTGAATTAGAAGAATTAGACTCTCCATA  
 AAGTGAAGCTCCTCCCACAGGAAGAGGCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Ascl-Mlul
<b>ACCN:</b>	NM_013851
<b>Insert Size:</b>	4863 bp
<b>OTI Disclaimer:</b>	<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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> 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. <a href="#">More info</a></p>
<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_013851.2</a> , <a href="#">NP_038879.2</a>
<b>RefSeq Size:</b>	6178 bp
<b>RefSeq ORF:</b>	4863 bp
<b>Locus ID:</b>	27404
<b>UniProt ID:</b>	<a href="#">Q8K440</a>
<b>Cytogenetics:</b>	11 72.88 cM
<b>Gene Summary:</b>	ATP-dependent lipophilic drug transporter.[UniProtKB/Swiss-Prot Function]