

Product datasheet for MC224759

Abca8a (NM_153145) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abca8a (NM_153145) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Abca8a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224759 representing NM_153145 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTTAAGAGAGAGATAAATGTGTGCCAACAAACGTGGGCCTTATTGTGCAAGAATCTTCTCAGAAAA
AGAGACTGAAAAGAGATACATTTTTGGAATTCCTGTACACAGCACTTATACTACTAGTTAATTTTTATT
TCTTCAATTGCATGAAGTTTATGATTTTTCGTCACTGCCTGATGTGGACCTGGGACGCATTGATTCATTT
AATGACTCCACCTTTATGATTGTGTACACACCTATCACCCAAACAACCTCAGAGGATAATGGATAGAGTCT
CTTTGGTCTCTTACATGACAGGAAGAAAAATATTGGCTTCTCCGAATGAAGAAAAATGACAGAACTCAT
TTCAATGCGTTTTAGTGATGTAGTGGGGTTCATATTCACCAACGCTTACTCCTACAACCTGAAGTTCATA
AAAGGAGCAAGGATCCCCACCATAAAGGAGCATCAGGACCACACAGCTCATTGTCATTCCTATGGAGAGA
TCATTTATTGTGGCCTTTCAGAATTCTGGAGAGATGGGTTTGTGGCTCTTCAAGCTGCCATTAACGCTGC
CATCATAGAAGTCACAACAAATCACTCAGTGATGGAAGAGATGATGTCACCTACCGGAAAATACATCAAG
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CCCCACTTACCTATTATATCTCAGCTGGTGTACAAGAGAAAGGAAAAAGATGAAGGGCTTGATGGCAGT
GATGGGCCTTCGGGATTCAGCATTCTGGCTGTCCTGGGGTTTGTCTATGGTGTCTTGTCTCGTTGTG
ACCTTCTCTCGACAACCTATTGTAAAACGGTCCAATTTGTCTTTTTGACTGGATTTATGGTGTCTTCA
GTCTCTTTTTCTTCTATGGCTTATCTCTGATCTTTTGTCTTTCTTGATGAGTGTTTACTAAAGAAGTC
TTTTCTCACTGACCTGGTGGTGTCTTGTCTCACTGTTTCTGTGGAAGTCTTGGATTCACAGCATTGTAC
AGATACCTTCTGTATCCTTGGAGTGGCTTCTAAGTTTGTCTCAGTCCCTTTGCTTTTATGCTTGGAAATGG
TCCAGCTCTTACGTTTAGATTATGATGTGAATTCAAATGCAGACCCCATGGGCAACCCAAATGAAGTCAT
TGGCACAATCTTCATGCTGTTCTTTGATGGTGTCTTCTACCTGCTTGTGACATTTACTTTGAGAAGGTT
TTACCAAGTGAATATGGACGTCGACACCCACCTTGTTTTTCTGAAGTCTCATTGTTGGTCAGGACAAA
ATCCAGCCAATCGGACTGCCCTTGACAATGAAACAGACTATGAGTTTTCTGATGACTCTTTTGAACCTGT
GTCTATGGAATCCATGGGAAGGAGCCATCAGAAATCAGAAATCTTACAAAAGACTACATACAAAAGTCT
AAGCGCACAGAAGCTTTGAAAGATCTGACACTGGATGTATATAAAGGCCAGATTACTGCGATCCTTGGTC
ACAGTGGAGCTGGGAAATCAACACTGTTAAATGTCCTGAGTGGGTTGTGTGTTCCACCAAAGGTTGGGT
CACTATCCATAATAACAACTCTCAGAAATGACTGACTTGAAAAATATCAGCAAGCTCACTGGAGTTTGT



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CCACAATGCAATGTGCAATTTGACTTCCTCACTGTAAGAGAAAATCTTAGGCTATTTGCTAAAATAAAAG
 GGATTCAGCCACGAAAGTGGATAACGAGGTACAAAGAGTTTTGCTGGAATTGGACATGAAAAACTCA
 GAATATTTCTTGTCAAACCTAAGCGCGGACAGAAGAGAAAGCTGACGTTTGAATCGCCATTTTAGGA
 GACCTCAGATTTTCTACTGGATGAGCCACCCTGGCTGGATCCCTTTTCAAGGCACCGGGTGTGGA
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 ACCCTGGAAGAACAACAAGTTTCCAGATCTTTATAGGGATCTCGAGAGAAGTCCAGACCTGGGAATT
 GAGAACTATGGCGTTTCTATAACAACACTGACTGAGGTCTTTCTGAAACTGGAAGGAAAATCATCTATTG
 ACCAATCAGATATTGGTATGACAGAAGATGTACAAGCTGGAGGGGCAAGGAGCCAGAGAGGTTTGTCTGA
 AGTAGAACAACTGTCTCTTTACTTAATGGGAGGTGAAGATGAAGGGGGCATGGCTCTATGGTGGCAG
 CAACTCTGTGCAGTGACCAGGCTTCGCTTCTTGAAGTTAAAGCATGAAAGGAAAATCCATCGTTATTCTGA
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 GTTCTGGTGGATATTGTGAGTAATGGGCTACTTGGACTGTTTCGCACCATCAGCACACATTCAAAAGTACC
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 TCTTCTATGTGTTTTATGCTTATTGATTACTTTAGAGATATCTCACTGTTTGTGTTTAAATGCCCCTGGT
 TCCACCTGCTACATTTGGGAGGCTGCACATTATTACATTTTGAAGTTCGTAATTTTCTGAAATAATTTT
 GAGCCAGAAAGGGAGTATTCCTATCTGTTTTCTAGCTCCTCTTCTTCAATTTGCCATCTTCGTAGTTA
 TTCTCCGATGTATGAAAGGAAGTTTGAATGAAAACAATGAGAACGGATCCTGTCTTTAGAAATTTCTCC
 AAGAAGCGATCGTGTATTAACAATCCAGAAGACCCAGATGGGGAAGATGAAGATGTGAGTCAGGAAAGA
 GTGTGGACAGCAATGCTTTGACTTCGCCGACTTCCAGGAGAAGCCAGCCATCATTGCCAGCTGCCTTC
 GCAAGGAGTACAAGGAAAGAAGAAATGCTTTGTTCTTAAGAGCAAGAAGAAGATTGCCACAAGAACAT
 CTCTTTTTGCGTTTCGAAAAGGTGAGGTTGTAGGATTACTGGGACACAATGGAGCTGGTAAAAAGTACATCC
 ATTAAGATGATAACTGGAGAAAACCAAGCCAAGCGCCGGACAGGTGCTGCTGAAGGGGAGCAGCACAGGGG
 ACACCCCGGGTTCCTGGGGTACTGTCTCAGGAAAATGCTCTGTGGCTCAACCTGACAGTGAAGGAAACA
 CCTGGAGATATTTGCAGCCATAAAGGGGATGAGAAAAAGTGAACGCAAGCTGGCCATCGAAAGGTTGGCA
 GATGCGCTCAAGTGCAGGACAGCTGAAGTCTCCTGTGAAGACGCTGTGAGAGGGAGTGAAGAGAAAGC
 TGTGCTTTGTGCTGAGCATCTGGGGAACCTTCTGTGGTACTTCTGGATGAGCCATCCACCGGATGGA
 CCCCAGGGGACAGCAAAATGTGGCAGGCTATCCAGGCCACCTTTCAAACACAGAACGGGGCCCTC
 CTGACCCATTACATGGCAGAGGCTGAGGCTGTGTGACCGGTGGCCATCATGGTGTCTGGGAGGC
 TGAGATGTATTGGATCCATCCAACATCTGAAGAGCAAATTCGGCAAGAATATCTCCTGGAGATGAAGGT
 GAAGACCCCTCGCAGGTGGAGCCCTTGAACACGGAGATCATGAGGCTGTTCCCCAGGCTGCTCGGCAG
 GAAAGGTAATCTCTGATGGTCTATAAACTGCCAGGGAAGATGTGCAACCTTTATCCCAGGCCCTTCT
 TCAAATAGAGACAGTTAAACAGAGCTTTGACCTGGAGGAGTACAGCCTTTCACAGTCCACCCTGGAGCA
 GGTCTTCTGGAGCTCTAAGGAGCAGGAGCTGGACGGTTTTGAAGAGGAACTGATCCCTCAGTCAAG
 TGAAGCTCCTCCACAGGAAGAGCGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_153145

Insert Size:	4860 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_153145.4 , NP_694785.3
RefSeq Size:	5629 bp
RefSeq ORF:	4860 bp
Locus ID:	217258
UniProt ID:	Q8K442
Cytogenetics:	11 E1
Gene Summary:	ATP-dependent lipophilic drug transporter.[UniProtKB/Swiss-Prot Function]