

Product datasheet for **MC221008**

Abcb10 (NM_019552) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcb10 (NM_019552) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Abcb10
Synonyms:	ABC-m; Abc-me; Abcb12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221008 representing NM_019552
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGCGCCCTTCTGCTAGGGCGCTACTGCTGATTCCGCGTCGGGGCCCTGCCGTGCGAGCGTGGCCCC
 CGGCCGTCTCCTCTCGGATATGGCTGGCTTCTGAATGGACCCCGCTCGTACGCGCGTGGACCTCTCTGAT
 CCAACAAGCCGGTTCTGGGCTCCGCTTTCCCGCGCCCTATCCGGGCTGCCTGGCGGCGTGGGGCAGTGG
 GCCACCTCTCGGGGGCCCGCAGGTGCTGGGTGCTGCGAGGACCCCGCGCCGCACATCCCCTGTTGCGCA
 GGCTCCAGGGTGCAGTCCACCGGTGTGCGAGACCTTGGGAACGACTCGCAGCGCGTCCCGCGGCAC
 CGGGCGCTCAGAAGTATGGAAGCTCCTAGGGCTGGTGCGCCCGAGCGGGGAGACTGTCAGCTGCAGTT
 GGGTTTCTGGCTGTGTCCAGTGTATCACCATGTCTGCCCTTCTTCTGGGAAGGATCATTGATGTCA
 TCTATACCAACCAAGCGAGGGCTATGGCGATAGCTTGACTCGGCTCTGTGCTGTGCTCACCTGTGTGT
 CCTGTGCGGGCGTGTGCCAACGGCATTGTGTCTACCTCATGCAGTCTTCAGGTGAGAGCATTGTGAAC
 AGGCTGCGCACCTCTGTCTCCTCCATTCTAAGGCAAGAGGTTGCTTTCTTTGACAAGACCCGCACAG
 GCGAATTAATTAACCGCCTCTCCTCGGATACCGCACTCCTGGGGCGCTCCGTGACTGAGAACCTCTCCGA
 TGGCCTGAGAGCTGGGGCCAGGCCTCCGTTGGTGTGGCATGATGTTTTTGTGTACCAAGTCTGGCC
 ACCTTTGTTCTGAGTGTGGTACCGCCATCTCTGTCTCGCTGTGATTTATGGCGATATCTACGGAAAC
 TGTCCAAAGCCACACAGGACTCCTTGGCAGAAGCCACACAGCTAGCCGAGGAGCGGATTGGAAACATAAG
 AACCATCCGAGCTTTTGGGAAGGAGATGACGGAAGTGGAGAAGTACACCGGCCGAGTGGACCAGTTGCTG
 CAGCTGGCACAGAAGGAGCCTTGGCACGAGCCGGCTTCTTTGGAGCAGTGGGCTCTCAGGAAACCTGA
 TTGTGCTGTCTGTCTGTACAAAGGAGGCTGCTGATGGGCGAGTCCCATATGACAGTGGGGCGAGCTCTC
 TTCTTCTCATGTACGCTTTCTGGTTGGATTGAGCATCGGAGGACTGAGTTCACTACTCCGAGCTG
 ATGAAAGGCTGGGTGCTGGTGGCGGCTCTGGGAGCTGCTGGAGAGACAGCCACGGCTGCCTTTTAACG
 AGGGGATGGTGTAGATGAGAAAACCTTCCAGGGTCCCTGGAGTTCAGAAAACGTGCACTTCACATACCC
 TGCTCGCCAGAGGTGTCCGATTCCAGGATTTCACTTTCATCCCATCTGGATCTGTACAGCGCTG
 GTTGGCCCAAGTGGTCTGGGAAATCAACAGTGGTTTCGCTCCTGCTGCGGTTGTACGACCCTAATTCTG
 GAACAGTCAGCCTTGATGGCCATGACATTCGTGAGTAAACCCGCTGGCTGAGATCCAAGATTGGGAC
 AGTGAGTCAGGAGCCAGTCTGTCTCCTGCTGTGCTGAGAACATTGCCTATGGAGCTGACAACCTC
 TCCTCGTTCACAGCCAGCAGGTGGAGAGGGCCGAGAGGTGGCCAACCGCGCTGAGTTCATCCGAAGCT
 TCCACAGGGCTTCGACACTGTGGTCCGGGAGAAGGGCATCCTCCTGTCAGGTGGCAGAAAGCAGAGGAT
 TGCAATAGCCAGAGCCCTGCTGAAGAACCCAAAATTCTTCTCCTTGATGAAGCAACCAAGTGCAGTGGAT
 GCCGAAAATGAGCACCTGGTCCAGGAGGCCCTTGACCGGCTGATGGAAGGGAGAACCCTGCTGATCATAG
 CCCACCGCTGTCCACATTAAGAATGCCAACTTTGTTGCTGTCTTGACCACGGAAAGATCTGTGAACA
 CGGGACACATGAAGAGCTGCTCCTGAAGCCCAATGGGCTTTACAGAAAACCTGATGAACAAGCAGAGTTTC
 CTGTATATAATGGAGCAGAGCAGTTCTTGGAACTGCACGGGCGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_019552

Insert Size: 2148 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).

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_019552.2 , NP_062425.1
RefSeq Size:	4325 bp
RefSeq ORF:	2148 bp
Locus ID:	56199
UniProt ID:	Q9J139
Cytogenetics:	8 E2
Gene Summary:	This gene encodes a member of the ATP-binding cassette superfamily of transporters. ATP-binding cassette proteins transport various molecules across extra- and intra-cellular membranes. The encoded protein is localized to the mitochondrial inner membrane where it interacts with and stabilizes mitoferrin-1, and is important for heme biosynthesis. Additional evidence suggests the encoded protein is involved in oxidative stress protection and erythropoiesis. [provided by RefSeq, May 2013]