

Product datasheet for **MC224235**

Abcb11 (NM_021022) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Abcb11 (NM_021022) Mouse Untagged Clone
Tag: Tag Free
Symbol: Abcb11
Synonyms: ABC1; ABC16; Bs; Bsep; Lit; Lith1; PFI; PFIC2; PGY; PGY4; SPGP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224235 representing NM_021022
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTGACTCAGTGATTCTTCGCAGTGTGAAGAAATTTGGAGAGGAGAATCATGCTTTCAATCAGATG
 GTTCCATAACAATGATAAGAAATCAAGTTACAAGATAAGAAGAAAGGGGAAGGCGCTCGAGTTGGCTT
 CTTTGAAGTGTTCGATTTTCTTCATCAAAGACAACCTGGCTGATGTTTATGGGAAGTGTGTGCGCATTG
 CTCCATGGAATGGCCAGCCAGGCATGATTATTGTGTTGGTATACTGACAGATATTTTTGTTGAATATG
 ACATTGAAAGACAAGAAGCTCAGTATTCCAGAAAAGTGTGTATGAATAACACCATTGTATGGATCAACAG
 CTCCTTCAACCAGAACATGACAAACGGAACAAGCTGTGGGTTGGTGGACATTAACAGCGAAGTCATCAA
 TTTTCTGGCATCTACGCAGGAGTTGGTGTGGCTGTCTTATCCTAGGATACTTTCAAATAAGGTTGTGGG
 TAATCACTGGGGCTCGTCAGATAAGGAAAATGAGGAAAATTTACTTTCCGAGAATAATGAGAATGGAAAT
 CGGATGGTTTACTGCACTTCTGTGGGAGAGCTCAATCAAGATTCTCTGATGATTAATAAAATTTGAT
 GAAGCCATTGCCAGCAGATGGCCCTTTTCCTCAGCGCCTGTCGACAGCTTTGTCTGGCTCCTTTTAG
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 GCCGATGAAGTCTCTCATCTATTCCGAACAGTGCTGCTTTTGGTGGTGAAGAATAAGGAGGTGGAAGGT
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 CATTGAGAGATTCTATGACCCCTGCGAAGGCATGGTACTCTGGATGGCCATGACATTCTTCTTAAAC
 ATCCGGTGGCTGAGAGATCAAATTTGGGATCGTGGAAACAGGAGCCAGTTCTGTTCTCCACCACTATCGCAG



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AAAACATCCGCCTTGGTAGAGAAGAGGGCACAATGGAAGACATAGTCCAAGCTGCCAAGGATGCTAATGC
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 GGTGGGAGAAGCAAAGGGTAGCCATCGCCCGCCCTCATACGGAAACCCAAGATCCTGCTTCTGGACA
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 AAGATTTATTAAGCATTGAGGTTGAGCTGGAGAAGTCATAAAGACTGCCATTAGAAAGGCAATGTC
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 CGCAACGGCTGTTGGAAGAACATTTCTTACACACCGAGCTATGCCAAAGCTAAAATATCAGCTGCACGC
 TTTTTCAACTGCTAGACAGAAAACCTCAATTGATGTGTACAGTGGAGCAGGTGAAAAATGGGACAAC
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 GCAAAAAAGTCAATGTTCAAGTCTCCGTTCAAACATTGGGATTTGCTCCAGGAGCCCGTGTATTTGA
 CTGTAGCATAATGGACAACATCAAGTATGGGGACAACACCAAGAGATCTCCGTGGAGAGAGCTATAGCT
 GCCGCAAAGCAGGCTCAGCTGCATGACTCGTCTGTCCTCCAGAGAAATATGAAACTAATGTTGGGA
 TCCAGGGCTCTCAACTCTCTCGCGGGGAGAAACAACGCATTGCTATTGCTCGGGCATTGTACGAGATCC
 TAAAATCTTGCTACTGGATGAAGCTACATCTGCCTTAGACACAGAAAGTAAAAGACAGTGCAGCTTGCT
 CTGGACAAAGCCAGAGAGGGTCGGACCTGTATTGTCAATTGCTCATCGCTTGTCTACTATCCAGAAGTCAAG
 ATATCATCGCCGTATGTACAAGGAGTGGTATTGAAAAGGGGACCCATAAGAAACTGATGGACAGAA
 GGGGGCTACTACAAGCTGGTCACTACTGGAGCCCCATCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_021022
- Insert Size:** 3966 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:

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_021022.3](#), [NP_066302.2](#)

RefSeq Size: 4899 bp

RefSeq ORF: 3966 bp

Locus ID: 27413

UniProt ID: [Q9QY30](#)

Cytogenetics: 2 39.69 cM

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. The protein encoded by this gene is the major canalicular bile salt transporter in humans and mice. Mutations in the human gene cause a form of progressive familial intrahepatic cholestases which are a group of inherited disorders with severe cholestatic liver disease from early infancy. [provided by RefSeq, Jul 2008]