

## Product datasheet for **MC224661**

### Abcc2 (NM\_013806) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Abcc2 (NM_013806) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Abcc2
Synonyms:	Abc30; AI173996; Cmoat; cMRP; Mrp2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224661 representing NM_013806 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACGAATTCTGCAACTCTACTTTTTGGAATCTCTCATTATTGAAAAGTCCGGAAGCCGACCTGCCTC  
TTTGTTTTGAACAACTGTTCTTGTGTGGATTCCCTTGGGCTTTCTTTGGCTCTTGGCGCCTTGGAACCT  
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CAATTCCTCCTGTAAATATACAATCCAATTCCTACCTATGCCTTGGCTCCTGGTGTGGTGATCCCA  
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TGTGGCATATTCCAGTTTCAGACTCTGATACGAGCACTCCTGCAGGATAGCAAGTCCAACATGACCTATT  
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CCAAGTCACTACCAGCAAGTTTAAGACGATCATGACAAAGGACCTGCAGAAAGCCAGGCAGGCTTCA  
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AAGAATAAAGACAACGCTTAAAAATCATGAATGAGATTCTAGTGGGATTAAGATCCTGAAATACTTTG



CCTGGGAACCTTCCTTTAAAGAGCAAGTGAACAGCATTTCGGAAGAAAGAACTCAGGAACTTGCTGCGCTT  
 CAGCCAGCTGCAGACGATTTTGATTTTCATCTTACACCTAACTCCAACCTGGTGTCCGTGATCACATTT  
 TCTGTTTACGTCTGGTGGATAGTCAAAATGTTTTGAACGCGGAGAAGGCTTTCACCTCCATCACCTCT  
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 AACTGTGGAGGAAATTCCTGACGATGCAGCTTCTTGACCATGAGAAGGGAGAAGCCTTCGCCGAACA  
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 GTCATCTTCTACGTATTGAACTATGTGGCTTTTATTGGCACTAACCTCTGGCTGAGTGTGGACCAGTG  
 ACTCTGAAAAACAGAATGGGACCGACAATTCACCTTCTCAGAGGGACATGAGAATCGGGGCTTTGGAGC  
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 GCGAAGCTGGCTGCTGTGTTTCTCGGCATAGTTAGCACTCTCGTATGATCTGCATGGCCACCCCATC  
 TTCATCATCATCATCCCTCTCAGCATTCTCTATGTATCTGTGCAGGTGTTTTATGTGGCTACATCCC  
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 TTTGCCTGTTATTCGGCCCTTTGAGCACCAGCAGAGATTTCTAGCAAACAGTGAGAAGCAGATTGACACC  
 AACCAGAAATGCGTCTTTTCTGGATTACCTCAAACCGGTGGCTTGCATTGCGCTGGAGCTGGTTGGAA  
 ACCTGATTGTCTTCTGCTCGGCCTTGTCTGTTATTTATAAGAATTCCTTAACCGGGGACACTGTGGG  
 CTTTGTCTGTCCAACGCCCTCAACATCACAAAACCTGAACTGGCTAGTGAGGATGACGTGAGAAGTA  
 GAGACCAACATCGTGGCTGTTGAGCGAATAAATGAATACATAAATGTGGATAATGAGGCGCGTGGGTGA  
 CCGACAAGAAGCCTCCGGCAGATTGGCCAAAAAAGGTGAGATCCAGTTCACAACTATCAAGTGGCGTA  
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 GCCAGATCATCATTGATGGGATTGATATTGCCTCCATTGGACTGCACGACCTTCGAGGGAGACTGACCAT  
 CATTCCCAGGACCCATTTTGTCTCTGGAACTCGAGGATGAATCTCGACCTTTCAACAAATACTCG  
 GATGAGGAGATCTGGAGGGCCCTGGAATTGGCTCATCTCAAATCCTTTGTGGCTGGCCTGCAACTGGGT  
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 GGCCGTGCTTCGAAAATCCAAAATCCTGGTCTGGACGAAGCCACAGCCGAGTGGATCTAGAGACGGAT  
 AGCCTCATTAGACGACCATCCGGAACGAGTCTCCAGTGCACGGTCACTACTCGCACACAGGCTGC  
 ACACCATCATGGACAGTGACAAGATAATGGTCTAGACAGCGCAAGATTGTTGAATACGGCAGTCTGGA  
 AGAACTGCTGTTCAATATGGTCCCTTCTACTTGTGATGGCAAGGAAGCCGGCATTGAAAGTGTGAACCA  
 ACGGAGCTTAG

**ACGGCT**ACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_013806

<b>Insert Size:</b>	4632 bp
<b>OTI Disclaimer:</b>	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).
<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>	<u><a href="#">NM_013806.2</a></u> , <u><a href="#">NP_038834.2</a></u>
<b>RefSeq Size:</b>	5389 bp
<b>RefSeq ORF:</b>	4632 bp
<b>Locus ID:</b>	12780
<b>UniProt ID:</b>	<u><a href="#">Q8VI47</a></u>
<b>Cytogenetics:</b>	19 36.67 cM
<b>Gene Summary:</b>	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 MRP subfamily which is involved in multi-drug resistance. This protein functions in the canalicular surface of the hepatocyte and in biliary transport, and appears to contribute to drug resistance in mammalian cells. Several different mutations in the human gene have been observed in patients with Dubin-Johnson syndrome (DJS), an autosomal recessive disorder characterized by conjugated hyperbilirubinemia. Alternative splice variants have been observed for this gene; however, they have not been fully described. [provided by RefSeq, Jul 2008]