

## Product datasheet for **RN200856**

### Abcc1 (NM\_022281) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Abcc1 (NM_022281) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Abcc1
Synonyms:	Abcc1a; Avcc1a; Mrp; Mrp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN200856 representing NM_022281 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCTGAGCAGCTTCTGCAGCTCTGATGGCTCCGATCCGCTCTGGGATTGGAATGTCACATGGCACA  
CCAGCAACCCTGACTTTACCAAGTGCTTTCAGAATACGGTCTCACATGGGTGCCTTGTTCACCTCTG  
GTCTGTTTCCCCTCTACTTCTCTATCTCTCTCGACATGACCGGGGCTACATCCAGATGACACACCTC  
AACAAAGCAAACTGCCTTAGGATCTTCTGTGGATCATCTGCTGGGAGACCTTCTACTCTTTCT  
GGAAAAGAAGTCAGGGAATGCTCCTAGCCCCGGTCTACTGGTCAGCCCCGACTGCTAGGCATACCCAT  
GCTGCTCGCCACCTTTTTAATTCAGTTTGGAGCAAGGAAAGGAGTCCAGTCTCAGGGATAATGCTTACT  
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AGCCCCGAAGAGCAGTGACCTCTGGTCATTGAATAAAGAGGACACGTCAGAAGAAGTGGTACCTGTGCT  
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AAAGATCCACCAAGCCTAAGGGAAGTTCTCAGTTGGATGTGAATGAGGAAGTGGAGGCACTGATTGTCA  
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GTGCTGTCTGCAGACACTGGCACTCCACCAGTACTTTCATATCTGCTTCCGTACCGGCATGCGCATCAA  
GACTGCTGTGGTGGTGTGTTTACCGCAAGGCTCTTGTGATCACCATTAGCTAGAAAATCGTCCACA  
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TGATCTGGTCAGCCCCTCTGCAAGTCAACCTAGCCCTCTACTTCTGTGGCTGAACCTGGGCCCTTCTGT  
GCTGGCTGGGGTGGCTGTTATGATCCTCATGGTGCCTTCAATGCTGTGATGGCCATGAAGACCAAGACT  
TACCAGGTGGCACACATGAAGAGCAAAGACAACCGAATCAAGCTGATGAACGAGATCCTCAATGGGATCA



AAGTACTCAAATTGTACGCCTGGGAGCTGGCTTTCCAGGACAAAGTTATGAACATCAGGCAGGAGGAGCT  
 GAAGGTGCTGAAGAAATCCGCCTACCTGGCGGCTGTGGGCACATTACATGGGTTTGACACCTTTCCTG  
 GTGGCTGTGCAACCTTTGCTGTCTTTGTGACTGTGGACGAGAAGAACATCCTAGATGCAAAGAAAGCCT  
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 TGTGCAGGCCAGCGTGTCCCTCAAGCGTCTCAGGATCTTCTGTCTCACGAGGAGCTGGAGCCAGACAGC  
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 GGTGGGCCAGGTAGGCTGTGGGAAGTCATCTCTGCTGTACAGCCCTGCTGGCTGAGATGGACAAAGTGGAG  
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 GGGGGCCAGAAGCAGCGTGTGAGCCTGGCTCGGGCTGTGTATTGTAACCTGACATCTACCTCTTGACG  
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 GTCATGAGTGGCGCAAGATCTCAGAGATGGGATCTTATCAGGAGCTGCTAGACCGGGATGGGCCCTTTG  
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 CTGCAGAGGCATCTCAGCAACTTCTTCCCACAGTGTGGTACTAACCAGCAGCACAGCAGCACAGCCG  
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 GGTGAAGCTTCCCGTGTACTGGAACACATGAAGGCCATTGGCCTCTGCATCTCCTTCTTGAGTATCTTC  
 CTTTTCTGTGCAATCATGTATCTGCACTGGCTTCTAACTATTGGCTGAGTCTCTGGACAGATGACCGCC  
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 TGAACCGATTCTCCAAGGAGTTGGACACAGTGGACTCCATGATCCCGCAGGTATCAAGATGTTATGGG  
 TTCCTCTTCACTGTCATTGGAGCTGTATCATCATCCTACTGGCTACGCCATTGCCGAGTATCATC  
 CCACCCTTGGGTCTGTTTACTTCTTTGTGAGAGGTTCTATGTGGCCTCCTCTGACAGCTGAAGCGCC  
 TGGAGTCTGTGAGTGTGTTCCCTGTGTACTCACACTTCAATGAGACCTTGTGGGGTCACTGTCATCCG  
 TGCCTTTGAGGAACAGGAGCGCTTATTGCGCAAAGTGACCTGAAAGTAGATGAGAACCAGAAGGCCATC  
 TACCCAGCATTGTGGCCAACAGGTGGCTTGTGTGCGCCTGGAGTGTGGGCAACTGCATTGTGCTGT  
 TTGCTGCCCTTTTCGAGTCACTCTCCCGCATAGCCTCAGTGTGCTGGCTTGGTGGTCTCTCTGTGCTTA  
 CCACTGACAGATAACTGCATACTTGAAGTGGCTAGTTCGAATGTCTCTGAGATGGAGACCAACATTGTG  
 GAGTGGAGAGACTGAAGGAATATTCTGAAACGGAGAAGGAGGCTTCTTGCAAAATCCAAGACAGCTC  
 CACCCAGCACCTGGCCCCATTAGGCGGTGTAGAGTTCGGGATTAAGTGTGAGGATCGAGAAGACTT  
 GGACTTGGTTCTCAAGCACATAAATGTCACCATGAGGGTGGAGAAAAGGTTGGTATTGTGGGTCGTACA  
 GGAGCTGGGAAATCATCTCTCACCTGGGTTTGTTCGGATCAATGAGTCTGAGAAGGGGAGATCATCA  
 TTGATGGGATAAACATTGCTAAGATTGGCTGCACAACCTGCGCTTCAAGATCACCATCATTCCACAGGA  
 TCCTGTTTTGTTCTCGGTTCCCTCCGATGAACCTGGACCCTTTCAGTCACTTCTGATGAAGAAGTC  
 TGGATGGCTCTGGAGCTTGTCTCACCTGAAGGGCTTGTGTGAGCCTTGCCTGACAAGCTGAACCATGAGT  
 GTGAGAAGGTGGAGAGAATCTGAGTGTGGGGCAGCGACAGCTTGTGTGCTGGCCCGGGCTTTGCTGAG  
 GAAGACAAAGATTCTAGTGTGGACGAGCTACAGCAGCTGTGGATCTGGAGACAGATGACCTTATTGAG  
 TCCACCATCCGGACGAGTTTGAAGACAGTACTGTGCTCACTATTGCTCATCGGCTGAATACCATAATGG  
 ACTATACAAGGGTATTGTCTGGACAAAGGAGAAATTCGGGAGTGTGGTGCACCCTCTGAGCTCTGCA  
 GCAAAGAGGCGTCTTCTATAGCATGGCCAAGGATGCTGGCTTGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_022281  
 Insert Size: 4599 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>	<a href="#">NM_022281.2</a> , <a href="#">NP_071617.2</a>
<b>RefSeq Size:</b>	4981 bp
<b>RefSeq ORF:</b>	4599 bp
<b>Locus ID:</b>	24565
<b>UniProt ID:</b>	<a href="#">Q8CG09</a>
<b>Cytogenetics:</b>	10q11
<b>Gene Summary:</b>	ATP-binding cassette (ABC) multiple drug resistance protein involved in the release of glutathione synthase during oxidative stress [RGD, Feb 2006]