

Product datasheet for RN212798

Abcc2 (NM_012833) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcc2 (NM_012833) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Abcc2
Synonyms:	Cmoat; cMRP; mrp; Mrp2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN212798 representing NM_012833 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACAAGTCTGCAACTCTACTTTTTGGGATCTCTCATTACTGGAAAGTCCAGAGGCTGACCTGCCTC
TTTGTTTTGAGCAAAGTCTGGTGTGGATTCCCTTGGGCTTTCTTTGGCTCCTGGCTCCTTGGAAGT
TTACAGCGGTACAGATCCAGGACCAAGAGATCTCTATAACCAATTCTACCTTGCCAAGCAGGTGTT
GTCGTGTTTCTTCTATTTAGCAGCCATAGACCTGTCTCTTGGCCTCACAGAAGATACTGGACAAGCCA
CAGTTCCTCCTGTGATATACGAATCCAATCCTCTACCTGTGCACATGGCTCCTGGTTTTGGCAGTCCA
GCACAGCAGGCAATGGTGTGTACGAAAGAACTCTGGTTCCTGTCTCTGTTCTGGATCCTCTCGGTCTTA
TGCGGCGTATTCCAGTTTCAGACTCTGATACGAGCACTCCTGAAGGACAGCAAGTCCAACATGGCCTACT
CCTACCTGTTCTTCGTCTCCTACGGTTCCAGATTGCTCCTGATTCTTACAGCCTTTTCAGGACCAAG
TGACTCAACACAACTCCATCAGTCACGGCTTCTTTCTGAGTAGCATTACATTTAGTTGGTATGACAGG
ACTGTTCTGAAAGGTTACAAGCATCCACTGACACTAGAAGATGTCTGGGATATCGATGAAGGTTTTAAAA
CAAGGTCAGTCACCAGCAAGTTTGAGGCGGCCATGACAAAGGACCTGCAGAAAGCCAGGCTTTTCA
GAGGCGGCTGCAGAAGTCCCAGCGGAAACCTGAGGCCACACTACCGGACTGAACAAGAAGCAGAGTCAG
AGCCAAGACGTTCTCGTCTGGAAGAAGCGAAAAAGAAGTCTGAGAAGACCACCAAGACTATCCCAAAT
CGTGGTTGATCAAGTCTCTCTTCAAACCTTCCACGTAGTGATCCTGAAATCATTATACTGAAATTAAT
ACATGACCTTTTGGTGTCTGAACTCCTCAGCTGCTGAAGTTGCTGATCGGTTTCGTGAAGAGCTTAAC
TCATACGTGTGGTTTGGCTATATCTGTGCAATCCTAATGTTTGTGTGACTCTCATCCAATCTTTCTGCC
TTCAGTCTTACTTTCAACATTGTTTTGTGTGGGAATGTGCGTACGGACAACCGTCATGTCTTCGATATA
TAAGAAGGCATTGACCCTATCTAACTTGGCTAGGAAGCAGTACACCATTGGAGAGCGGTGAAGTGTGAT
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TTACTTTGTCCATCTTCTCCTGTGAGAGAGTTGGGACCGTCCATCTTAGCAGGTGTTGGGTTATGGT
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AAAGACAAACGTTTAAAAATCATGAATGAGATTCTCAGTGGAAATCAAGATCCTGAAATACTTTGCCTGGG



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AACCTTCATTTCAAGAGCAAGTCCAGGGCATTCCGGAAGAAAGAACTCAAGAACTTCTGCTGCGGTTCCGCCA
 GCTGCAGAGTCTGCTGATCTTCAATTTTACAGATAACTCCAATCCTGGTGTCTGTGGTCACATTTTCTGTC
 TATGTCCTGGTGGATAGCGCCAATGTTTTGAATGCGGAGAAGGCATTTACCTCCATCACCCTCTTCAATA
 TCCTACGCTTCCCTCTGTCCATGCTTCCCATGGTGACCTCATCGATCCTCCAGGCCAGTGTCTGTGGA
 CCGGCTGGAGAGGTATTTGGGAGGAGACGATTTAGACACATCTGCCATTCGCCCGCTCAGCAATTTTGT
 AAAGCTGTGAAGTTTTTCCAGAGCCTCTTTACTTGGGACCCGGACTTGGAAAGCCACAATCCAAGATGTGA
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 ATCAGCCATGCTGGGAGAAATGGAAAACGTTACGGGCACATCACCATCCAGGGATCCACAGCCTATGTC
 CCTCAGCAGTCTGGATTGGAATGGAACCATCAAAGACAACATCCTGTTTGGGTCGGAATACAATGAAA
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 GGCTGAGATCGGAGAGAAGGGGATAAATCTCAGTGGTGGTGTGAGAGCAGCGAGTCAAGCTGGCCAGAGCT
 GCCTATCAAGATGCTGACATCTATATTCTGGACGATCCCTGTGCGGTGTGGATGCTCATGTGGGAAAAC
 ACATTTTCAACAAGTTGTGGGCCCAACGGCCTGTTGGTGGCAAGACGAGAATCTTTGTTACTCATGG
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 TATCGTGACCTGTTGGACAAGAAGGGAGTGTGGTAGGAACTGGAAGACCTTATGAAGCATTGAGGGC
 CTGAAGGAGAGGCCACAGTCAATAATGACAGTGGGCGGAAGACGACGATGATGGCTGATTCACCACAT
 GGAGGAAATCCCTGAGGATGACGCTTCTTGGCCATGAGAAGAGAAAATAGTCTTCGCCGTACACTGAGC
 CGCAGCTCTAGGTCCAGCAGCCGACGTGGGAAGTCCCTCAAAAACCTTGAAGATTAATAATGTGAATG
 TCTTGAAGGAGAAGGAAAAGAAGTGGAAAGACAAAACCTAATTAAGAAAGAATTTGTGGAAACCGGGAA
 GGTCAAGTTCTCCATCTACCTGAAGTATCTACAGGCAGTAGGGTGGTGGTCCATACTTTTTCATCATCCTT
 TTCTACGGATTGAATAATGTTGCTTTTATCGGCTCTAACCTCTGGCTGAGTGCTTGGACCAGTGACTCTG
 ACAACTTGAATGGGACCAACAATTCGCTTCTCATAGGGACATGAGAATGGGGTCTTTGGAGCTCTGGG
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 GCTTTGACGCGGAGCTGTTAACCAACATCCTCCGGGCACCCATGAGGTTTTTTGACACAACCTCCACAG
 GCCGATTGTGAACAGATTTTCTGGTGATATTTCTACTGTGGACGACTTCTCCCCAGACACTTGAAG
 CTGGATGATGTGTTTCTTTGGCATCGTGGCAGTCTTGTGATGATCTGCATGGCCACCCAGTCTTCGCT
 ATCATCATCATTCTCAGCATTCTTTATATTTCCGGTGCAGGTTTTTTATGTGGCTACTTCCCGCCAGC
 TGAGACGGTTGGATTCTGTCACCAAACTCCGATCTATTCTCACTTCAAGTGCAGACTGTGACAGGTTTGGC
 CATTATCCGTGCCTTTGAGCACCAGCAGGATTTCTAGCTTGGAAAGAGAGGATGACATCAACCAG
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 TCGTCTTCTGTTCCGCTTGTGCTGGTATTTTATAGAAAACCTTAACCGGGGACGTTGTGGGCTTTGT
 TCTGTCCAACGCCCTCAATATCACACAAACCTTGAAGTGGCTAGTGGAGTGCAGTGCAGAACGAGAGACC
 AACATTGTGGCAGTTGAGCGAATAAGTGAATACATAAATGTAGAGAATGAGGCGCCCTGGGTGACTGACA
 AGAGGCCCTCCGGCAGACTGGCCAGACATGGTGTGATCCAGTTTAAACACTATCAAGTGCAGGATCGGCC
 GGAGCTGGATCTGGTACTGAAAGGGATCACTTGTAACTCAAGAGCGGAGAGAAGGTCCGGCTAGTGGGC
 AGGACTGGGGCTGGGAAATCATCCCTCACAAACTGCCTCTTCAAGTCTGCGGGGGGCCAGAG
 TCATCATTGATGGGATAGATGTTGCCTCCATTGGACTGCACGACCTTCGAGAGAGGCTGACCATCATTCC
 CCAGGACCCCATTTTGTCTCGGGGAGTCTGAGGATGAATCTCGACCCTTCAACAAAATATTGAGATGAG
 GAGGTTTGGAGGGCCCTGGAGTTGGCTCACCTCAGATCCTTTGTGTCTGGCCTACAGCTTGGGTTGTTAT
 CCGAAGTGACAGAGGGTGGTGAACAACCTGAGCATAGGGCAGAGGAGCTCCTATGCCTGGGAGGGCTGT
 GCTTCGAAAATCCAAAATCCTGGTCTGGATGAAGCCACGGCTGCAGTGGATCTCGAGACGGATAGCCTC
 ATTCAGACGACCATCCGAAAGGAGTTCTCCAGTGCACGGTCAACCATCGCTCACAGGCTGCACACCA
 TCATGGACAGTGACAAGATAATGGTCTAGACAACGGGAAGATTGTGAGTATGGCAGTCTGAAGAACT
 GCTGTCCAACAGAGGTTCTTCTATCTGATGGCCAAGGAAGCCGGCATTGAAAATGTGAATCACACAGAG
 CTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_012833

Insert Size:	4626 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_012833.2 , NP_036965.1
RefSeq Size:	5073 bp
RefSeq ORF:	4626 bp
Locus ID:	25303
UniProt ID:	Q63120
Cytogenetics:	1q54
Gene Summary:	multispecific organic anion transporter; mutation may be responsible for conjugated hyperbilirubinemia in the TR- rat, which is a model for human Dubin-Johnson syndrome [RGD, Feb 2006]