

Product datasheet for **MC224606**

Abcc10 (NM_170680) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Abcc10 (NM_170680) Mouse Untagged Clone
Tag: Tag Free
Symbol: Abcc10
Synonyms: mFLJ00002; Mr; Mrp7
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224606 representing NM_170680
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGGCTCCTGGCCAGCTGTGTGGCACGGACGGCGCGGGCCGCTCCCGCTGTGGGAAGGGGACA
CGACGGGCCACTGCTTACCCAGCTGGTCTCAGCGCCCTTCCCACGCGCTCCTCGCCGCTCCTCAGTGC
CTGCCACTTGGGCACCCCAAGGACTACCAATCACTCCCAGCTCTCAATCCTGGCTGGCGCTCCGACTC
GCAGCATCCTTCCCTCTTCCATCTTCCACTGCTAGACCTCCTCCAGTTGTTTTGCCTCCAGGGTCAC
GCCAGGGCCCTTATGGCTAGAGGTGCTAGCAGGGTGTGTGACAGCTGTGGCCTGGTTACCCACAGCCT
GGCCCTGTGGGACTGGTTCATTCCTCATGGCCGTTCCCGTGGACCCTTGGCCTTGGCTCTGGCAGCC
TTTCTACCAACCCCGCCCTGGTACTAACTCTGCTGTGGCATTGCCAGCGAGGTACATTTCTGCCCCAC
TTCTCCAGGACCTCTGGGCCGTGTGTCTTCTCATTCTGCAACTGGCAGCAGTCTTGGCCTATGGGT
GGGCTGGGAGCCCTGGGGACCACAAGAGCCCTGGACTCATGATCCCTTCTGTCTGAGAGTCAA
GAAACAGAGGTAGCTGAAGATGGAGAGAGTTGGCTGTACGCTTTTCTATGCCTGGTTGGCACCCCTGC
TTGCTCGTGGAGTCCGAGGAGAGCTCCAGCAGCCCGGGACACTTGGCCCTCCCGCAGGCTGCATGC
TGCCCTTCTGGCCGAGTTTTCCAAGCACATTGGAAGGAGGGGGCCCAACTGTGGAGGGCCCTGTACAGG
GCCTTTGGATGTTGCTACCTGGCCCTTGGACTGTTGAAGATGGTGGGACCATGTGGGATTCTCCGGC
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GCCGCCCTCCACGGGGAGTCTGAACCTACTAGGCACCGACTCCGAGAGGCTGCTCAACTTTGCTGG
CAGCTTCCATGAGGCTGGGCTGCTCTGCAGCTGGCCATCACTCTACCTGCTGTACCAGCAGGTG
GGCATGGCCTTCTGGCTGGGCTGGTCTTGGCGCTGCTGCTGGTACCTGTCAACAAAGTATTGCCACCC
GAATCATGGCCAGCAACCAGGAGATGCTACGGCACAAGGATGCACGGGTTAAGCTCATGACAGAGTACT
GAGTGGCATTGAGTCAAAATTTCTCAGGTGGGAGCAGGCTCTGGGGACCGAGTGAAGGCTTGGCCG
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TGCCAGTGGTCATCTGCATCACCATCTTCATCACCTATGTCCTCATGGGGCACCAGCTCACTGCCACCAA
 GGTGTTTACAGCGCTGGCGCTTGTGCGCATGCTCATTCTTCTCTCAACAACCTCCCTGGGTGATCAAT
 GGTCTCTTGAATCCAAAGTATCCCTGGACCGGATCCAGCGTTTCTCGATCTTCCAAGCTACAGCCCTG
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 GGCATCGTGGGAAAGGTGGCTGTGGGAAGAGTTCGCTGCTGGCCGCCATCACTGGGAGCTCCACAGGC
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 CTGCTGGCCAATTCCGTGGGCTGTGGCCCTCCTGGCTGTCTAGGTTCTGGTCTGCCCTGGCTGTCTG
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 ACGGCGCCTGGGCAGCCTCACCTGGTCTCCGCTTACTCCCATCTGGTGCACCCCTGGCAGGCCTCCCT
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 AAGCCATGATGGTGGAGCTGAGCGACTGGAGGAGTATCCTGTGACGTTCCCCAGGAGCCACAGCCA
 GCCACTGCAGTACCCCCACAGCAGCGCATCAGCTGGCTGACCCAGGGAAGTGTGGAATCCAGGAGCTG
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 GCCCAACGCAGGGCGAGTGTCTTGGACAATGTGGACACCAGCCAGCTGGAGCTGGCCGAGCTCAGATCC
 CAGCTGGCTGTATCCCTCAGGAGCCTTCTGTTTCCAGCGGACTATTCGGGAGAACCTGGACCCCAAGG
 GCCTACACGAGGACAGGGCCCTGTGGCAAGCCTTGAACAGTGTACCTGAGTGGTGGTGTGCGCAT
 GGGTGGCCTGGATGGAGAGCTGGGAGAAAGGGGCCAGAACCTGTCCCTAGGACAGAGACAGCTGTGTGT
 CTGGCAAGGGCTCTTCTTACAGATGCTAAAATCTTGTGATTGACGAGGCCACAGCAAGTGTGGACCAGA
 AGACAGACCAGCTGCTCCAGCAAACCATCTGTAACGCTTTGCCAACAAGACAGTGTGACCATCGCCCA
 CAGGCTCAACACGATCCTAAACTCTGACCGTGTGCTGGTGTCCAAGCCGGGAGGGTGGTGGAACTGGAC
 TCCCCCTCAGCCCTGCGCAACCAGCCGCACTCCCTGTTCCAGCAGCTCCTGCAGAGCAGCCAGCAGGGAG
 CCCACTCCGGACCTTCAGGGTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_170680
Insert Size: 4506 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_170680.2 , NP_733780.1
RefSeq Size:	4872 bp
RefSeq ORF:	4506 bp
Locus ID:	224814
UniProt ID:	Q8R4P9
Cytogenetics:	17 C
Gene Summary:	<p>The 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, and White). This ABC transporter is a member of the MRP subfamily which is involved in multi-drug resistance. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (mrp7B) contains a distinct 5' UTR and 5' coding region, compared to variant mrp7A. This results in a distinct N-terminus and longer isoform (mrp7B) but maintains the same reading frame as isoform mrp7A.</p>