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Product datasheet for MR227613

Abcc2 (NM_013806) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcc2 (NM_013806) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Abcc2
Synonyms:	Abc30; AI173996; Cmoat; cMRP; Mrp2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR227613 representing NM_013806 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGACGAATTCTGCAACTCTACTTTTTGGAATCTCTCATTATTGAAAAGTCCGGAAGCCGACCTGCCTC TTTGTTTTGAACAAACTGTTCTTGTGTGGATTCCCTTGGGCTTTCTTTGGCTCTTGGCGCCTTGGCAACT TTACAGAATATACAGATCCAGGACCAAGAGATTTGCTATAACTAAATTCTACCTTGCCAAGCAGGTGTTC GTTGTGTGTCTTCTTATTTTAGCAGCCATAGACCTGTCTCTTGCACTCACAGAAGATACTGGACAAGCCA CAATTCCTCCTGTTAAATATACAAATCCAATTCTCTACCTATGCACTTGGCTCCTGGTGTTGGTGATCCA ACACTGCAGGCAATGCTGTATACAGAAGAATTCTTGGTTCCTGTCCATGTTCTGGATTCTCTCTCTATTA TGTGGCATATTCCAGTTTCAGACTCTGATACGAGCACTCCTGCAGGATAGCAAGTCCAACATGACCTATT CCTGCCTGTTCTTCGTCTCCTATGGTTTCCAGATTGTCATTTTGATCCTTTCAGCCTTTTCAGAATCAAG CGACTCAACACACGCCCCATCAGCTACAGCTTCATTTCTGAGTAGCGTTACGTTTAGTTGGTATGACAGC ACTGTTCTGAAAGGTTACAAGCATCCATTGACAATAGAAGATGTGTGGGATATTGAAGAAAATCTTAAAG CCAAGTCACTCACCAGCAAGTTTAAGACGATCATGACAAAGGACCTGCAGAAAGCCAGGCAGGCTCTTCA GAGGCGGCTGAAGAAGTCCCAGCAGAGCCCTGAGGGCACGTCACACGGATTGACCAAGAAGCAGAGTCAG AGCCAAGATGTCCTTGTCCTGGAAGACTCGAAAAAGAAGAAAAAGAAGTCTGAGGCCACCAAAGACTTTC CCAAATCCTGGTTGGTGAAGGCTCTCTTCAAAACGTTCTACGTGGTGATCCTGAAGTCATTTATTCTGAA ATTAGCACATGATATTCTTTTGTTTCTGAATCCTCAGCTGCTGAAATTTCTCATTGGCTTCGTGAAAGAC CCTGACTCATATCCGTGGGTTGGATATATCTATGCAATCCTAATGTTCTCTGTGACTCTCATCCAGTCTT TCTTCCTTCAGTGTTATTTTCAATTTTGTTTTGTGTTGGGAATGACTGTACGGACAACCATCATAGCTTC CGTATATAAGAAGGCACTAACCCTATCTAACTTGGCTAGGAGGCAGTACACGATTGGAGAGACGGTGAAC TTGATGTCTGTAGATTCCCAGAAGCTAATGGACGTGACCAACTACATACACTTGCTGTGGTCCAGTGTTT TACAGATTGCTTTGTCCATTTTCTTCCTGTGGAGAGAGTTGGGACCTTCGATTTTAGCAGGTGTTGGGCT TATGGTTCTCCTGGTCCCAGTTAATGGCGTCCTGGCTACCAAGATCAGGAAAATTCAGGTCCAGAATATG AAGAATAAAGACAAACGCTTAAAAATCATGAATGAGATTCTTAGTGGGATTAAGATCCTGAAATACTTTG

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Protein Sequence:

>MR227613 representing NM_013806
Red=Cloning site Green=Tags(s)

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TEL

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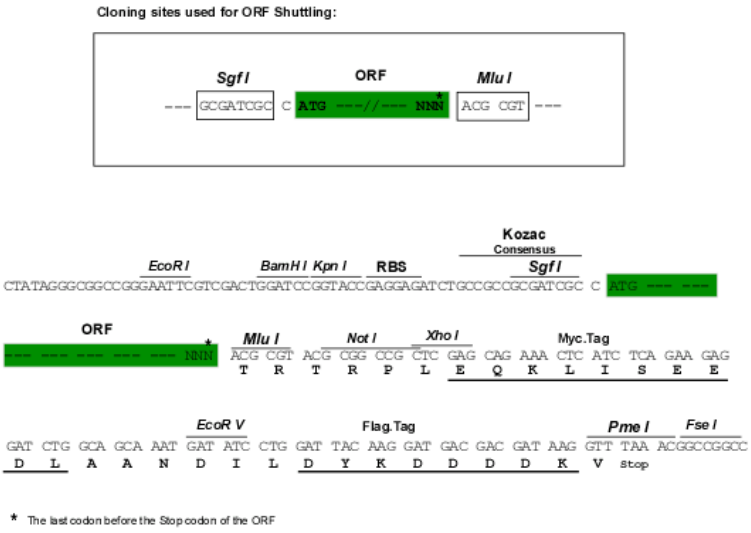
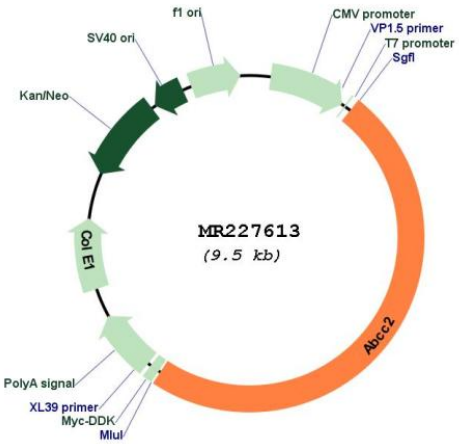
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_013806
ORF Size:	4629 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_013806.2, NP_038834.2
RefSeq Size:	5389 bp
RefSeq ORF:	4632 bp
Locus ID:	12780
UniProt ID:	Q8VI47
Cytogenetics:	19 36.67 cM
MW:	174.1 kDa
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 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]