

Product datasheet for SC119897

MRP2 (ABCC2) (NM_000392) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRP2 (ABCC2) (NM_000392) Human Untagged Clone
Tag:	Tag Free
Symbol:	MRP2
Synonyms:	ABC30; CMOAT; cMRP; DJS; MRP2
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000392 edited
GTCATCCTTTACGGAGAATCAGAATGGTAGATAATTCCTGTTCCACTTTCTTTGATGA
AACAAAGTAAAGAAGAAACAACACAATCATATTAATAGAAGAGTCTTCGTTCCAGACGCAG
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AAAAAAAAA
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Restriction Sites:	Please inquire
ACCN:	NM_000392
Insert Size:	4638 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).
OTI Annotation:	TrueClone
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_000392.1 , NP_000383.1
RefSeq Size:	4868 bp
RefSeq ORF:	4638 bp
Locus ID:	1244
UniProt ID:	Q92887
Cytogenetics:	10q24.2
Domains:	ABC_membrane, ABC_tran, AAA
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ABC transporters

Gene Summary:

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, White). This protein is a member of the MRP subfamily which is involved in multi-drug resistance. This protein is expressed in the canalicular (apical) part of the hepatocyte and functions in biliary transport. Substrates include anticancer drugs such as vinblastine; therefore, this protein appears to contribute to drug resistance in mammalian cells. Several different mutations in this gene have been observed in patients with Dubin-Johnson syndrome (DJS), an autosomal recessive disorder characterized by conjugated hyperbilirubinemia. [provided by RefSeq, Jul 2008]