

Product datasheet for **SC315468**

MRP6 (ABCC6) (NM_001079528) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRP6 (ABCC6) (NM_001079528) Human Untagged Clone
Tag:	Tag Free
Symbol:	MRP6
Synonyms:	ABC34; ARA; EST349056; GACI2; MLP1; MOAT-E; MOATE; MRP6; PXE; PXE1; URG7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315468 representing NM_001079528. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCGCGCCTGCTGAGCCCTGCGCGGGCAGGGGTCTGGAACCAGACAGAGCCTGAACCTGCCGCC
ACCAGCCTGTGAGCCTGTGCTTCTGAGAACAGCAGGGGTCTGGGTACCCCATGTACCTCTGGTTC
CTTGGTCCCATCTACCTCTTTCATCCACCACCATGGCCGGGGTACCTCCGGATGTCCCCACTTTC
AAAGCCAAGATGGTAGCTGCCATCCCTGGGAGCCTGGAACCAGGCAATGTTCCGGGGAGGCAGGGGACA
GGCTGGAACCTGGTGAAGTCTTAA
ACGCGTACGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001079528
Insert Size:	300 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.



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:	<u>NM_001079528.3</u>
RefSeq Size:	733 bp
RefSeq ORF:	300 bp
Locus ID:	368
UniProt ID:	<u>O95255</u>
Cytogenetics:	16p13.11
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ABC transporters
MW:	10.8 kDa
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, White). The encoded protein, a member of the MRP subfamily, is involved in multi-drug resistance. Mutations in this gene cause pseudoxanthoma elasticum. Alternatively spliced transcript variants that encode different proteins have been described for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) lacks much of the coding region and represents a distinct 3' UTR compared to variant 1. The encoded protein (isoform 2) is much shorter and has a distinct C-terminus compared to isoform 1. The encoded protein is not a transporter, but is thought to play a role in protecting hepatocytes during chronic hepatitis B virus infection.</p>