

Product datasheet for **SC326078**

MRP3 (ABCC3) (NM_001144070) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRP3 (ABCC3) (NM_001144070) Human Untagged Clone
Tag:	Tag Free
Symbol:	MRP3
Synonyms:	ABC31; cMOAT2; EST90757; MLP2; MOAT-D; MRP3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_001144070 edited
 ATGGACGCCCTGTGCGGTTCCGGGGAGCTCGGCTCCAAGTTCTGGGACTCCAACCTGTCT
 GTGCACACAGAAAACCCGGACCTCACTCCCTGCTTCCAGAACTCCCTGCTGGCCTGGGTG
 CCCTGCATCTACCTGTGGGTGCGCCTGCCCTGCTACTTGTCTACCTGCGGCACCATTTGT
 CGTGGGTACATCATCCTCTCCACCTGTCCAAGCTCAAGATGGTCTGGGTGCTCTGTCTG
 TGGTGCCTCTCCTGGGCGACCTTTTTACTCCTTCCATGGCCTGGTCCATGGCCGGCC
 CCTGCCCTGTTTTCTTTGTCAACCCCTTGGTGGTGGGGTACCATGCTGCTGGCCACC
 CTGCTGATACAGTATGAGCGGCTGCAGGGCGTACAGTCTTCGGGGTCCCTATTATCTTC
 TGGTTCCTGTGTGGTCTGCGCCATCGTCCATTCCGCTCCAAGATCCTTTTAGCCAAG
 GCAGAGGGTGAGATCTCAGACCCCTTCCGCTTACCACCTTCTACATCCACTTTGCCCTG
 GACTCTCTGCCCTCATTTGGCCTGCTCAGGGAGAACTCCATTTTTCTCCGCAAAG
 AATGTCGACCCTAACCCCTACCCTGAGACCAGCGCTGGCTTTCTCTCCCGCTGTTTTTC
 TGGTGGTTCACAAAGATGGCCATCTATGGTACCGGCATCCCCTGGAGGAGAAGGACCTC
 TGGTCCCTAAAGGAAGAGGACAGATCCCAGATGGTGGTGCAGCAGCTGCTGGAGGCATGG
 AGGAAGCAGGAAAAGCAGACGGCAGACACAAGGCTTCAGCAGCACCTGGGAAAAATGCC
 TCCGGCGAGGACGAGGTGCTGCTGGGTGCCGGCCAGGCCCGAAGCCCTCCTTCCTG
 AAGGCCCTGCTGGCCACCTTCGGCTCCAGCTTCCTCATAGTGCCTGCTCAAGCTTATC
 CAGGACCTGCTCTCCTTCATCAATCCACAGCTGCTCAGCATCCTGATCAGGTTTATCTCC
 AACCCCATGGCCCCCTCCTGGTGGGGCTTCCCTGGTGGCTGGGCTGATGTTCTGTGCTCC
 ATGATGCAGTCGCTGATCTTACAACACTATTACCACTACATCTTTGTGACTGGGTGAAG
 TTTTCGACTGGGATCATGGGTGTATCTACAGGAAGGCTCTGGTTATCACCAACTCAGTC
 AAACGTGCGTCCACTGTGGGGAAATTGTCAACCTCATGTGAGTGGATGCCAGCGCTTC
 ATGGACCTTGGCCCTTCTCAATCTGCTGTGGTGCAGACCCCTGCAGATCATCCTGGCG
 ATCTACTTCTCTGGCAGAACCTAGGTCCCTCTGTCTGGCTGGAGTCGCTTTCATGGTC
 TTGCTGATTCCACTCAACGGAGCTGTGGCCGTGAAGATGCGCGCCTTCCAGGTAAAGCAA
 ATGAAATTGAAGGACTCGCGCATCAAGCTGATGAGTGAGATCCTGAACGGCATCAAGGTG
 CTGAAGCTGTACGCTGGGAGCCAGCTTCTGAAGCAGGTGGAGGGCATCAGGCAGGGT
 GAGCTCCAGCTGCTGCGCACGGCGGCTACCTCCACACCACAACCACTTACCTGGATG
 TGCAGCCCTTCTGGTGAAGCTTGGCACAGGGCTGGTCCCTGCCTCCAGGGCTCTGGG
 TGCCAGGCATGGCCAGGGCTCATTGGACTCTACCCTGA

- Restriction Sites:** Please inquire
- ACCN:** NM_001144070
- Insert Size:** 3200 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_001144070.1, NP_001137542.1</u>
RefSeq Size:	1958 bp
RefSeq ORF:	1719 bp
Locus ID:	8714
UniProt ID:	<u>O15438</u>
Cytogenetics:	17q21.33
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ABC transporters
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). This protein is a member of the MRP subfamily which is involved in multi-drug resistance. The specific function of this protein has not yet been determined; however, this protein may play a role in the transport of biliary and intestinal excretion of organic anions. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) lacks multiple 3' exons and has an alternate 3' sequence, as compared to variant 1. The resulting isoform (2) is much shorter and has a different C-terminus, as compared to isoform 1.</p>