

Product datasheet for SC125262

MRP3 (ABCC3) (NM_003786) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRP3 (ABCC3) (NM_003786) Human Untagged Clone
Tag:	Tag Free
Symbol:	MRP3
Synonyms:	ABC31; cMOAT2; EST90757; MLP2; MOAT-D; MRP3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC125262 sequence for NM_003786 edited (data generated by NextGen Sequencing)

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ATGGACGCCCTGTGCGGTTCCGGGGAGCTCGGCTCCAAGTTCTGGGACTCCAACCTGTCT
GTGCACACAGAAAACCCGGACCTCACTCCCTGCTTCCAGAACTCCCTGCTGGCCTGGGTG
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Clone variation with respect to NM_003786.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003786 unedited
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 TCGTTATTTGGTGGTTTCAAAGAAGGGCCATCTATGGGCTACCGGCATTCCCTG
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003786 unedited
 GTTCAACTTCCCGCCAGGAGAGCACTGGGGAGGGTACAGGGATGCCACCCGGGATC
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 TTTTTTTTTTTACTGATGACCATGTAGTTTTATTTATCAGTACTCCATTTTTAATGG
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 GTCTTCTGTTCCAGGAGGAAAAAGCTTTTTATTAACAAAACAGAAACGAACTTTAGAAA
 TATGAAAATCAGAGGGAGGACAGAGGTCATTTTATAAAATCGTTATTTGAAAACAGTGC
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 TTTGCTATCAAGTCCATTCTGCGGACATATTTGGTGTCTTCTTCTGATGAAAACCA
 GGAAAGGGCCAGGAGGAAATCTCAGGAATATTTTTAGGCAAGTCCAGCATCTCTGGCCA
 TCCCGTAGAAGTATGCCTCTGCTGCCATGAAGGTGGCTGGAGAATCAAATCACTTCTTA
 CTCTTTGTCAGGAACAAGACCTGGTGAATCCATGAAAG

Restriction Sites:

Please inquire

ACCN:

NM_003786

Insert Size:

5100 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:

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_003786.2](#), [NP_003777.2](#)

RefSeq Size: 5176 bp

RefSeq ORF: 4584 bp

Locus ID: 8714

UniProt ID: [O15438](#)

Cytogenetics: 17q21.33

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. 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]

Transcript Variant: This variant (1) encodes the longer isoform (1).