

Product datasheet for **RC227116**

MRP3 (ABCC3) (NM_001144070) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRP3 (ABCC3) (NM_001144070) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MRP3
Synonyms:	ABC31; cMOAT2; EST90757; MLP2; MOAT-D; MRP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC227116 representing NM_001144070
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACGCGCTGTGCGGTTCCGGGGAGCTCGGCTCCAAGTTCTGGGACTCCAACCTGTCTGTGCACACAG
 AAAACCCGGACCTCACTCCCTGCTTCCAGAACTCCCTGCTGGCCTGGGTGCCCTGCATCTACCTGTGGGT
 CGCCCTGCCCTGCTACTTGTCTACCTGCGGCACCATTGTCGTGGCTACATCATCTCTCCACCTGTCC
 AAGCTCAAGATGGTCTGGGTGTCTGTGTGGTGCCTCTCTGGGCGGACCTTTTTTACTCCTTCCATG
 GCCTGGTCCATGGCCGGGCCCTGCCCTGTTTTCTTTGTCAACCCCTTGGTGGTGGGGTCAACATGCT
 GCTGGCCACCCTGCTGATACAGTATGAGCGGCTGCAGGGCGTACAGTCTTGGGGGTCTCATTATCTTC
 TGGTTCCTGTGTGGTCTGCGCCATCGTCCATTCCGCTCCAAGATCCTTTAGCCAAGGCAGAGGGTG
 AGATCTCAGACCCCTCCGCTTACCACCTTCTACATCCACTTTGCCCTGGTACTCTCTGCCCTCATCTT
 GGCTGCTTCAGGGAGAAACCTCATTCTCCGCAAAGAATGTCGACCCTAACCCCTACCTGAGACC
 AGCGCTGGCTTTCTCCCGCTGTTTTCTGGTGGTTACAAAGATGGCCATCTATGGCTACCGGCATC
 CCCTGGAGGAGAAGGACCTCTGGTCCCTAAAGGAAGAGGACAGATCCCAGATGGTGGTGCAGCAGCTGT
 GGAGGCATGGAGGAAGCAGGAAAAGCAGACGGCACGACAAGGCTTCCAGCAGCCTGGGAAAAATGCC
 TCCGGCGAGGACGAGGTGCTGCTGGGTGCCCGGCCAGGCCCGGAAGCCCTCCTTCTGAAGGCCCTGC
 TGGCCACCTTCGGCTCCAGTTCCTCATCAGTGCCTGCTTCAAGCTTATCCAGGACCTGCTCTCCTTCA
 CAATCCACAGTGTCTCAGCATCTGATCAGGTTTATCTCCAACCCATGGCCCCCTCTGGTGGGGCTTC
 CTGGTGGCTGGGTGATGTTCTGTGCTCCATGATGCAGTGCCTGATCTTACAACACTATTACCATAACA
 TCTTTGTAGCTGGGGTGAAGTTTCGACTGGGATCATGGGTGCATCTACAGGAAGGCTCTGGTTATCAC
 CAACTCAGTCAAACGTGGTCCACTGTGGGGAAATTGTCAACCTCATGTCAAGTGGATGCCAGCGCTTC
 ATGGACCTTGCCCTTCTCAATCTGCTGTGGTGCAGCACCCTGCAGATCATCTGGCGATCTACTTCC
 TCTGGCAGAACCTAGGTCCTCTGCTGGTGGAGTCGCTTTCATGGTCTTGCTGATTCCACTCAACGG
 AGCTGTGGCCGTGAAGATGCGCGCCTTCCAGGTAAGCAAATGAAATTGAAGGACTCGCGCATCAAGCTG
 ATGAGTGAGATCTGAACGGCATCAAGGTGCTGAAGCTGTACGCTGGGAGCCAGCTTCTGAAGCAGG
 TGGAGGGCATCAGGCAGGGTGAAGTCCAGTGTGCGCACGGCGGCTACCTCCACACCACAACCACCTT
 CACCTGGATGTGAGCCCTTCTGGTGAAGCTGGCACAGGGCTGGGTCCCTGCCTCAGGGCTCTGGG
 TGCCAGGCATGGCCAGGCTCATTGGACTTACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227116 representing NM_001144070
 Red=Cloning site Green=Tags(s)

MDALCGSGELGSKFWSNL SVHTENPDLTPCFQNSLLAWVPCIYLVWALPCYLLYLRRHCRGYIILSHLS
 KLKMLVGLVLLWCVSWADLFYSFHGLVHGRAPAPVFFVTPLVVGVTMLLATLLIQYERLQGVQSSGLIIF
 WFLCVVCAIVPFRSKILLAKAEGEISDPFRFTFYIHFALVLSALILACFREKPPFFSAKNVDPNPYPET
 SAGFLSRLFFWFTKMAIYGYRHPLLEKDLWSLKEEDRSQMVVQQLLEAWRKQEKQTARHKASAAPGKNA
 SGEDEVLLGARPRPKPSFLKALLATFGSSFLISACFKLIQDLLSFINPQLLSILIRFISNPMAPSWWGF
 LVAGLMFLCSMMQSLILQHYHYHIFVTGVKFRGTGIMGVIYRKALVITNSVKRASTVGEIVNLMSVDAQRF
 MDLAPFLNLLWSAPLQIILAIYFLWQNLGPSVLGAVAFMVLLIPLNGAVAVKMRFAQVKQMKLKDSRIKL
 MSEILNGIKVLKLYAWEPSFLKQVEGIRQGELQLLRATAAYLHTTTFTWMCSPFLVRLGTGLGPCLQSGS
 CPGMARAHWTLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8067_h08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001144070

ORF Size: 1716 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_001144070.2](#)

RefSeq ORF: 1719 bp

Locus ID: 8714

UniProt ID: [O15438](#)

Cytogenetics: 17q21.33

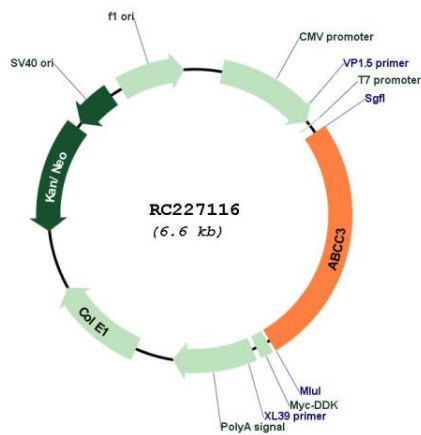
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: ABC transporters

MW: 64.5 kDa

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]

Product images:



Circular map for RC227116