

Product datasheet for **SC213255**

MRP5 (ABCC5) (NM_001023587) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: MRP5 (ABCC5) (NM_001023587) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: ABCC5
Synonyms: ABC33; EST277145; MOAT-C; MOATC; MRP5; pABC11; SMRP
ACCN: NM_001023587
Insert Size: 1211 bp
Insert Sequence: >SC213255 3'UTR clone of NM_001023587
 The sequence shown below is from the reference sequence of NM_001023587. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAGGATGGCTGTATTCTGCGGTCAAGATGAGAGTCAAGCTGGGCAGAATCTCTCGCCAAGAGTTCAG
CCTTCCTTTGGAGACTGCTCCATCAGTGCCGAGGTGTGTGGGAACAGGCTTCACTGCACCCCATCTTA
CTGAGTTGCTTACGTGAGGAAAAGGGGCTTTGGCCCTGTGACTCAGTCCACATTTTGGATTGCATA
CTGGAAAAGAAGCCAATCTTCTTCTAGTAAACCAGCAACCCGGCTGTATACAGTGGTGACCCAAGCAA
TGGATATAAACCTAAAAATCTGAGGGAGGGGAGAGGTGGAATACAGTAGTTCTTGGAAATCTGAAGTCTC
CTATTTGATCAGGTTATTTCTGGGACTTGGCAAAAATCTGATTGGTGGGATCTCCTAGGACCTAGTG
GACATCTGGTATTAATTTAATCTCAGGAAAAACAAGAAATTAACCCAGAGAGAGTCTGGGTTTTGGAAAT
TCAGCGTAGCTACCTCCAGACCGTGGTGTCTGGCCTCCATTTTGTCTGTCATTCAGCTCTGACTTACA
GCTGCAGTCACCTTTGCTATAAGGCACCTGGGTAGAAGGGTGGATGGGCTTACATCAATTTTTTTCTT
CCTTTAGGGTGGGGATTGGTTTTGGCTTTCTTTTGTGTGGTTTTTTGTTTTATTTTTGTCAAGATTGA
TTTTTAGATGCAAGGACTTGAAAAGACCCAGAAGGATGCCACCAGTTTTTCTTGAGGCCTAGGATTTT
TTATTCTGTCCCAGCAGAGGTAATTCCTCACAACTTAGTGACCAAGTAGCACCAGCCATTTTGGAGCAG
AGTACCTCTTTGGGGAGCTTTTCGTTTTGTTTTGTTTTAATTCTCTTTCTTAGCAGCAAGGTCTTTT
TTCTAGAGAATCTACTCCGTTGCGAATCATTGCAACCTCAGGAGCCCTCACTGATTGAGTGCTGTCA
GCCTGATACTACTTTGGACTTGAAACAGATATGGTTCTATTCTCTATTTCTACTGTGTGCTGTT
AAACAACCGTCGGAGACCAGATGACCTGTTAGATGGCTAGTCTGTATAACTCGACTCTGTATGTTTCA
ATGTATGTTACTGCAATGCTTACCTGCTGTACAGTGTGTGAGATGCTCTTTGAAGATGGTACTTTT
ATATTTTTTCATTTTCAATAAAAGTACATTCCTTCCCA
ACGCGTAAAGCGCCGCGGCATCTAGATTGGAAGAAAATGACCCACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI



OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_001023587.3
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 functions in the cellular export of its substrate, cyclic nucleotides. This export contributes to the degradation of phosphodiesterases and possibly an elimination pathway for cyclic nucleotides. Studies show that this protein provides resistance to thiopurine anticancer drugs, 6-mercaptopurine and thioguanine, and the anti-HIV drug 9-(2-phosphonylmethoxyethyl)adenine. This protein may be involved in resistance to thiopurines in acute lymphoblastic leukemia and antiretroviral nucleoside analogs in HIV-infected patients. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]
Locus ID:	10057
MW:	45.8