

Product datasheet for **RC213357**

MRP6 (ABCC6) (NM_001079528) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MRP6 (ABCC6) (NM_001079528) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MRP6
Synonyms: ABC34; ARA; EST349056; GAC12; MLP1; MOAT-E; MOATE; MRP6; PXE; PXE1; URG7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC213357 representing NM_001079528
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGCGCCTGCTGAGCCCTGCGCGGGGCAGGGGTCTGGAACCAGACAGAGCCTGAACCTGCCGCCA
CCAGCCTGCTGAGCCTGTGCTTCTGAGAACAGCAGGGGTCTGGGTACCCCCATGTACCTCTGGGTCTT
TGGTCCCATCTACCTCCTTCCATCCACCACCATGGCCGGGGCTACCTCCGGATGTCCCACTCTTCAA
GCCAAGATGGTAGCTGCCATCCCTGGGAGCCTGGAACCAGGCAATGTTCCGGGGAGGCAGGGACAGGCT
GGAACCTGGTGAAGTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC213357 representing NM_001079528
Red=Cloning site Green=Tags(s)
MAAPAEPGAGQGVWNQTEPEPAATSLLSLCFLRTAGVWVPPMYLWVLGPIYLLFIHHHGRGYLRMSPLFK
AKMVAAI PGSLEPGNVRGRQGTGWNLVKS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg3908_g06.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001079528

ORF Size: 297 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_001079528.4](#)

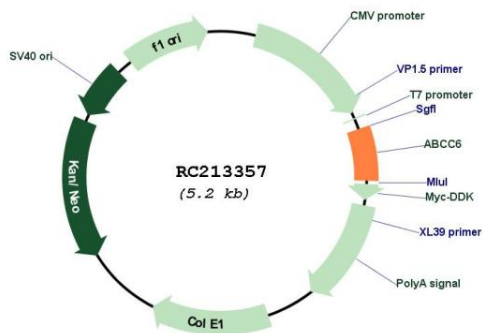
RefSeq Size: 727 bp

RefSeq ORF: 300 bp

Locus ID: 368

UniProt ID: [O95255](#)
Cytogenetics: 16p13.11
Protein Families: Druggable Genome, Transmembrane
Protein Pathways: ABC transporters
MW: 10.6 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). 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]

Product images:



Circular map for RC213357