

Product datasheet for **RG213357**

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: TurboGFP
Symbol: ABCC6
Synonyms: ABC34; ARA; EST349056; GACI2; MLP1; MOAT-E; MOATE; MRP6; PXE; PXE1; URG7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG213357 representing NM_001079528
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGCGCCTGCTGAGCCCTGCGCGGGGCAGGGGTCTGGAACCAGACAGAGCCTGAACCTGCCGCCA
CCAGCCTGCTGAGCCTGTGCTTCTGAGAACAGCAGGGGTCTGGGTACCCCCATGTACCTCTGGGTCTT
TGGTCCCCTACCTCCTTCCATCCACCACCATGGCCGGGGCTACCTCCGGATGTCCCACTCTTCAA
GCCAAGATGGTAGCTGCCATCCCTGGGAGCCTGGAACCAGGCAATGTTCCGGGGAGGCAGGGACAGGCT
GGAACCTGGTGAAGTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213357 representing NM_001079528
Red=Cloning site Green=Tags(s)
MAAPAEPGAGQGVWNQTEPEPAATSLLSLCLFRTAGVWVPPMYLWVLPYLLFIHHHGRGYLRMSPLFK
AKMVAAIIPGSLEPGNVRGRQGTGWNLVKS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

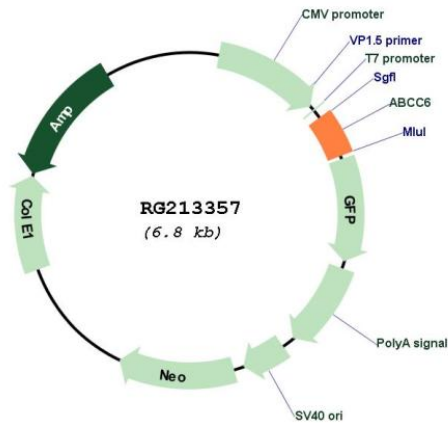


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Cloning Scheme:



Plasmid Map:



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:	<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:	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
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). 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]</p>