

Product datasheet for **RC239557**

MRP4 (ABCC4) (NM_001301830) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRP4 (ABCC4) (NM_001301830) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ABCC4
Synonyms:	MOAT-B; MOATB; MRP4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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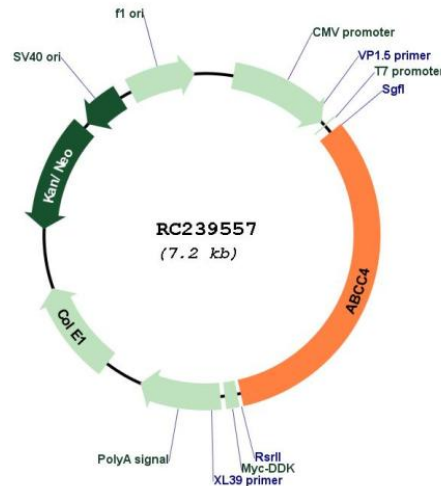
ORF Nucleotide
Sequence:

>RC239557 representing NM_001301830
Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**GCGATCGCC**

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TCTGGTGGCTCAATCCCTTGTTAAAAATTGGCCATAAACGGAGATTAGAGGAAGATGATATGTATTCACT
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GCTGAGAATGACGCACAGAAGCCTTCTTTAACAAAGAGCAATCATAAAGTGTACTGGAATCTTATTTAG
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GTTCTTTTTGGCATAGCAAGATCTCTATTGGTATTCTACGTCTTGTAACTCTTCACAACTTTGCACA
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AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Plasmid Map:


ACCN: NM_001301830

ORF Size: 2352 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_001301830.2](#)

RefSeq Size: 2865 bp

RefSeq ORF: 2355 bp

Locus ID: 10257

UniProt ID: [O15439](#)

Cytogenetics: 13q32.1

Protein Families:	Druggable Genome, Ion Channels: Other, Transmembrane
Protein Pathways:	ABC transporters
MW:	88.6 kDa
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). This protein is a member of the MRP subfamily which is involved in multi-drug resistance. This family member plays a role in cellular detoxification as a pump for its substrate, organic anions. It may also function in prostaglandin-mediated cAMP signaling in ciliogenesis. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Sep 2014]</p>