

## Product datasheet for **RC218182L4V**

### MRP1 (ABCC1) (NM\_004996) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	MRP1 (ABCC1) (NM_004996) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MRP1
Synonyms:	ABC29; ABCC; DFNA77; GS-X; MRP; MRP1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004996
ORF Size:	4593 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218182).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_004996.2</a>
RefSeq Size:	5927 bp
RefSeq ORF:	4596 bp
Locus ID:	4363
UniProt ID:	<a href="#">P33527</a>
Cytogenetics:	16p13.11
Domains:	ABC_membrane, ABC_tran, AAA
Protein Families:	Druggable Genome, Transmembrane



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**Protein Pathways:** ABC transporters

**MW:** 171.4 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 full transporter is a member of the MRP subfamily which is involved in multi-drug resistance. This protein functions as a multispecific organic anion transporter, with oxidized glutathione, cysteinyl leukotrienes, and activated aflatoxin B1 as substrates. This protein also transports glucuronides and sulfate conjugates of steroid hormones and bile salts. Alternatively spliced variants of this gene have been described but their full-length nature is unknown. [provided by RefSeq, Apr 2012]