

## Product datasheet for **MR215338L4V**

### Abcc4 (NM\_001033336) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Abcc4 (NM_001033336) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Abcc4
Synonyms:	ABCC4-N1; D630049P08Rik; MOATB; MRP4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001033336
ORF Size:	3975 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR215338).
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_001033336.3</a> , <a href="#">NP_001028508.2</a>
RefSeq Size:	5729 bp
RefSeq ORF:	3978 bp
Locus ID:	239273
UniProt ID:	<a href="#">Q3TZN9</a>
Cytogenetics:	14 E4



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**Gene Summary:**

ATP-dependent transporter of the ATP-binding cassette (ABC) family that actively extrudes physiological compounds and xenobiotics from cells. Transports a range of endogenous molecules that have a key role in cellular communication and signaling, including cyclic nucleotides such as cyclic AMP (cAMP) and cyclic GMP (cGMP), bile acids, steroid conjugates, urate, and prostaglandins. Mediates also the ATP-dependent efflux of glutathione conjugates such as leukotriene C4 (LTC4) and leukotriene B4 (LTB4). The presence of GSH is necessary for the ATP-dependent transport of LTB4, whereas GSH is not required for the transport of LTC4. Mediates the cotransport of bile acids with reduced glutathione (GSH). Transports a wide range of drugs and their metabolites, including anticancer, antiviral and antibiotics molecules (Probable). Confers resistance to anticancer agents (Probable).[UniProtKB/Swiss-Prot Function]