

Product datasheet for **MR227524L4V**

Abcb1a (NM_011076) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Abcb1a (NM_011076) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Abcb1a
Synonyms:	Abcb4; Evi32; mdr-3; Mdr1a; Mdr3; P-gp; Pgp; Pgy-3; Pgy3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011076
ORF Size:	3828 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227524).
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.
RefSeq:	NM_011076.2 , NP_035206.2
RefSeq Size:	5177 bp
RefSeq ORF:	3831 bp
Locus ID:	18671
UniProt ID:	P21447
Cytogenetics:	5 3.43 cM



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Gene Summary:

The membrane-associated 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 MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance as well as antigen presentation. This gene encodes a p-glycoprotein which actively transports a variety of hydrophobic amphipathic drugs and plays a major role in the blood-brain barrier permeability of certain drugs. [provided by RefSeq, Jul 2008]