

Product datasheet for **MR227222L4V**

Slc11a1 (NM_013612) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Slc11a1 (NM_013612) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Slc11a1
Synonyms:	Bcg; lty; ity; lty1; Lsh; Nramp; Nramp1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_013612
ORF Size:	1647 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227222).
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_013612.2 , NP_038640.2
RefSeq Size:	2304 bp
RefSeq ORF:	1647 bp
Locus ID:	18173
UniProt ID:	P41251
Cytogenetics:	1 38.54 cM



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Gene Summary:

Divalent transition metal (iron and manganese) transporter involved in iron metabolism and host resistance to certain pathogens. Macrophage-specific membrane transport function. Controls natural resistance to infection with intracellular parasites. Pathogen resistance involves sequestration of Fe(2+) and Mn(2+), cofactors of both prokaryotic and eukaryotic catalases and superoxide dismutases, not only to protect the macrophage against its own generation of reactive oxygen species, but to deny the cations to the pathogen for synthesis of its protective enzymes.[UniProtKB/Swiss-Prot Function]