

Product datasheet for **MR224625L4V**

Slc11a2 (NM_001146161) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Slc11a2 (NM_001146161) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Slc11a2
Synonyms:	DCT1; DMT1; mk; Nramp2; van
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001146161
ORF Size:	1683 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224625).
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_001146161.1 , NP_001139633.1
RefSeq Size:	4373 bp
RefSeq ORF:	1686 bp
Locus ID:	18174
UniProt ID:	P49282
Cytogenetics:	15 56.29 cM



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Gene Summary:

May serve to import iron into the mitochondria (By similarity). Important in metal transport, in particular iron. Involved in apical iron uptake into duodenal enterocytes. Involved in iron transport from acidified endosomes into the cytoplasm of erythroid precursor cells. May play an important role in hepatic iron accumulation and tissue iron distribution.[UniProtKB/Swiss-Prot Function]