

Product datasheet for **MR221638L2V**

Gls2 (NM_001033264) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gls2 (NM_001033264) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gls2
Synonyms:	A330074B06Rik; AI195532; GA; GLS; Lga
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001033264
ORF Size:	1806 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221638).
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_001033264.3 , NP_001028436.2
RefSeq Size:	2460 bp
RefSeq ORF:	1809 bp
Locus ID:	216456
UniProt ID:	Q571F8
Cytogenetics:	10 D3



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Gene Summary:

Plays an important role in the regulation of glutamine catabolism. Promotes mitochondrial respiration and increases ATP generation in cells by catalyzing the synthesis of glutamate and alpha-ketoglutarate. Increases cellular anti-oxidant function via NADH and glutathione production. May play a role in preventing tumor proliferation.[UniProtKB/Swiss-Prot Function]