

Product datasheet for **MR211473L3V**

Gldc (NM_138595) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gldc (NM_138595) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gldc
Synonyms:	b2b2679Clo; D030049L12Rik; D19Wsu57e
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_138595
ORF Size:	3075 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211473).
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_138595.1
RefSeq Size:	3769 bp
RefSeq ORF:	3078 bp
Locus ID:	104174
UniProt ID:	Q91W43
Cytogenetics:	19 24.87 cM



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Gene Summary:

The glycine cleavage system catalyzes the degradation of glycine. The P protein (GLDC) binds the alpha-amino group of glycine through its pyridoxal phosphate cofactor; CO(2) is released and the remaining methylamine moiety is then transferred to the lipoamide cofactor of the H protein (GCSH) (By similarity).[UniProtKB/Swiss-Prot Function]