

## Product datasheet for **MR208853L4V**

### Glud1 (NM\_008133) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Glud1 (NM_008133) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Glud1
Synonyms:	AI118167; Gdh-X; Glud; Gludl
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008133
ORF Size:	1674 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208853).
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. <a href="#">More info</a>
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:	<a href="#">NM_008133.4</a> , <a href="#">NP_032159.1</a>
RefSeq Size:	3158 bp
RefSeq ORF:	1677 bp
Locus ID:	14661
UniProt ID:	<a href="#">P26443</a>
Cytogenetics:	14 20.8 cM



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**Gene Summary:**

Mitochondrial glutamate dehydrogenase that converts L-glutamate into alpha-ketoglutarate. Plays a key role in glutamine anaplerosis by producing alpha-ketoglutarate, an important intermediate in the tricarboxylic acid cycle. May be involved in learning and memory reactions by increasing the turnover of the excitatory neurotransmitter glutamate. [UniProtKB/Swiss-Prot Function]