

## Product datasheet for **MR208693L4V**

### **Glyr1 (NM\_028720) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Glyr1 (NM_028720) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Glyr1
Synonyms:	2810419J22Rik; 3930401K13Rik; AW545332; Npac
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_028720
ORF Size:	1641 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208693).
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_028720.2</a> , <a href="#">NP_082996.2</a>
RefSeq Size:	3347 bp
RefSeq ORF:	1641 bp
Locus ID:	74022
UniProt ID:	<a href="#">Q922P9</a>
Cytogenetics:	16 2.49 cM

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**Gene Summary:**

Putative oxidoreductase that is recruited on chromatin and promotes KDM1B demethylase activity. Recognizes and binds trimethylated 'Lys-36' of histone H3 (H3K36me3). Regulates p38 MAP kinase activity by mediating stress activation of p38alpha/MAPK14 and specifically regulating MAPK14 signaling. Indirectly promotes phosphorylation of MAPK14 and activation of ATF2. The phosphorylation of MAPK14 requires upstream activity of MAP2K4 and MAP2K6. [UniProtKB/Swiss-Prot Function]