

Product datasheet for **MR221799L4V**

Gne (NM_001190414) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gne (NM_001190414) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gne
Synonyms:	2310066H07Rik; DMRV; GLCNE; IBM2; NM; Uae1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001190414
ORF Size:	2166 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221799).
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_001190414.1
RefSeq Size:	2818 bp
RefSeq ORF:	2169 bp
Locus ID:	50798
UniProt ID:	Q91WG8
Cytogenetics:	4 B1



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Gene Summary:

Regulates and initiates biosynthesis of N-acetylneuraminic acid (NeuAc), a precursor of sialic acids. Required for normal sialylation in hematopoietic cells (By similarity). Sialylation is implicated in cell adhesion, signal transduction, tumorigenicity and metastatic behavior of malignant cells. Plays an essential role in early development.[UniProtKB/Swiss-Prot Function]