

Product datasheet for **MR221922L4V**

Gal3st1 (NM_016922) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gal3st1 (NM_016922) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gal3st1
Synonyms:	Cst; Gcst
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_016922
ORF Size:	1269 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221922).
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_016922.3 , NP_058618.2
RefSeq Size:	1969 bp
RefSeq ORF:	1272 bp
Locus ID:	53897
UniProt ID:	Q9JHE4
Cytogenetics:	11 A1



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Gene Summary:

Catalyzes the sulfation of membrane glycolipids. Seems to prefer beta-glycosides at the non-reducing termini of sugar chains attached to a lipid moiety. Catalyzes the synthesis of HSO₃-3-galactosylceramide (sulfatide), a major lipid component of the myelin sheath and of HSO₃-3-monogalactosylalkylacylglycerol (seminolipid), present in spermatocytes. Also acts on lactosylceramide, galactosyl 1-alkyl-2-sn-glycerol and galactosyl diacylglycerol (in vitro). [UniProtKB/Swiss-Prot Function]