

Product datasheet for **MR225749L4V**

Galc (NM_008079) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Galc (NM_008079) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Galc
Synonyms:	2310068B06Rik; A930008M05Rik; AW212969; AW413532; Gac; Gacy; twi; twitcher
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008079
ORF Size:	2052 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR225749).
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_008079.3 , NP_032105.2
RefSeq Size:	3723 bp
RefSeq ORF:	2055 bp
Locus ID:	14420
UniProt ID:	P54818
Cytogenetics:	12 49.83 cM



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Gene Summary:

This gene encodes galactosylceramidase, the lysosomal hydrolase involved in the catabolism of galactosylceramide. Mutations in this gene result in slow growth, tremors and hind leg weakness, collectively termed as the 'twitcher' phenotype. In humans, deficiency of this gene product causes a lysosomal storage disorder known as Krabbe disease. [provided by RefSeq, Dec 2014]