

Product datasheet for **MR209735L4V**

Glb1 (NM_009752) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Glb1 (NM_009752) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Glb1
Synonyms:	AW125515; Bg; Bge; Bgl; Bgl-; Bgl-e; Bgl-s; Bgl-t; Bgs; Bgt; C130097A14Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009752
ORF Size:	1944 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209735).
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_009752.1 , NP_033882.1
RefSeq Size:	2396 bp
RefSeq ORF:	1944 bp
Locus ID:	12091
UniProt ID:	P23780
Cytogenetics:	9 64.4 cM



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Gene Summary:

This gene encodes a preproprotein that is proteolytically cleaved to yield a signal peptide and a proprotein that is subsequently processed to generate the active mature peptide. The encoded protein is a lysosomal enzyme that catalyzes the hydrolysis of terminal beta-D-galactose residues in various substrates like lactose, ganglioside GM1 and other glycoproteins. Mutations in the human gene are associated with GM1-gangliosidosis and Morquio B syndrome. Disruption of the mouse gene mirrors the symptoms of human gangliosidosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]