

Product datasheet for **MR223563L4V**

A3galt2 (NM_001009819) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	A3galt2 (NM_001009819) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	A3galt2
Synonyms:	Gm433; iGb3; iGb3S
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001009819
ORF Size:	1110 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR223563).
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_001009819.2 , NP_001009819.1
RefSeq Size:	3390 bp
RefSeq ORF:	1113 bp
Locus ID:	215493
UniProt ID:	Q3V1N9
Cytogenetics:	4 D2.2



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Gene Summary:

Synthesizes the galactose-alpha(1,3)-galactose group on the glycosphingolipid isoglobotrihexosylceramide or isogloboside 3 (iGb3) by catalyzing the transfer of galactose from UDP-Galactose to its acceptor molecule Gal-beta-1,4-Glc-ceramide. Can also catalyze the addition of galactose to iGb3 itself to form polygalactose structures. Synthesis of iGb3 is the initial step in the formation of the isoglobo-series glycolipid pathway and is the precursor to isogloboside 4 (iGb4) and isoForsman glycolipids. Can glycosylate only lipids and not proteins and is solely responsible for initiating the synthesis of isoglobo-series glycosphingolipids.[UniProtKB/Swiss-Prot Function]