

## Product datasheet for **MR218673L4V**

### Dgat2 (NM\_026384) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Dgat2 (NM_026384) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Dgat2
Synonyms:	0610010B06Rik; ARAT; DGAT-2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_026384
ORF Size:	1164 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR218673).
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. <a href="#">More info</a>
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:	<a href="#">NM_026384.3</a> , <a href="#">NP_080660.1</a>
RefSeq Size:	2251 bp
RefSeq ORF:	1167 bp
Locus ID:	67800
UniProt ID:	<a href="#">Q9DCV3</a>
Cytogenetics:	7 E1



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**Gene Summary:**

Essential acyltransferase that catalyzes the terminal and only committed step in triacylglycerol synthesis by using diacylglycerol and fatty acyl CoA as substrates. Required for synthesis and storage of intracellular triglycerides. Probably plays a central role in cytosolic lipid accumulation. In liver, is primarily responsible for incorporating endogenously synthesized fatty acids into triglycerides. Functions also as an acyl-CoA retinol acyltransferase (ARAT) (By similarity).[UniProtKB/Swiss-Prot Function]