

Product datasheet for **RC220595L2V**

DGAT1 (NM_012079) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	DGAT1 (NM_012079) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DGAT1
Synonyms:	ARAT; ARGP1; DGAT; DIAR7
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_012079
ORF Size:	1464 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220595).
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_012079.2
RefSeq Size:	1976 bp
RefSeq ORF:	1467 bp
Locus ID:	8694
UniProt ID:	O75907
Cytogenetics:	8q24.3
Domains:	MBOAT
Protein Families:	Transmembrane



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Protein Pathways: Glycerolipid metabolism, Metabolic pathways, Retinol metabolism

MW: 55.1 kDa

Gene Summary: This gene encodes an multipass transmembrane protein that functions as a key metabolic enzyme. The encoded protein catalyzes the conversion of diacylglycerol and fatty acyl CoA to triacylglycerol. This enzyme can also transfer acyl CoA to retinol. Activity of this protein may be associated with obesity and other metabolic diseases. [provided by RefSeq, Jul 2013]