

Product datasheet for **RC203920L2V**

DGAT2 (NM_032564) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	DGAT2 (NM_032564) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DGAT2
Synonyms:	ARAT; GS1999FULL; HMFN1045
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_032564
ORF Size:	1164 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203920).
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_032564.2
RefSeq Size:	2465 bp
RefSeq ORF:	1167 bp
Locus ID:	84649
UniProt ID:	Q96PD7
Cytogenetics:	11q13.5
Domains:	DAGAT
Protein Families:	Transmembrane



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Protein Pathways: Glycerolipid metabolism, Metabolic pathways, Retinol metabolism

MW: 43.8 kDa

Gene Summary: This gene encodes one of two enzymes which catalyzes the final reaction in the synthesis of triglycerides in which diacylglycerol is covalently bound to long chain fatty acyl-CoAs. The encoded protein catalyzes this reaction at low concentrations of magnesium chloride while the other enzyme has high activity at high concentrations of magnesium chloride. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]