

## Product datasheet for **RC220971L4V**

### **DGAT2L4 (AWAT2) (NM\_001002254) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	DGAT2L4 (AWAT2) (NM_001002254) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DGAT2L4
Synonyms:	ARAT; DC4; DGAT2L4; MFAT; WS
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001002254
ORF Size:	999 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220971).
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_001002254.1</a> , <a href="#">NP_001002254.1</a>
RefSeq Size:	2124 bp
RefSeq ORF:	1002 bp
Locus ID:	158835
UniProt ID:	<a href="#">Q6E213</a>
Cytogenetics:	Xq13.1
Protein Families:	Transmembrane
Protein Pathways:	Glycerolipid metabolism, Metabolic pathways, Retinol metabolism



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**MW:** 37.9 kDa

**Gene Summary:** This gene encodes an enzyme belonging to the diacylglycerol acyltransferase family. This enzyme produces wax esters by the esterification of long chain (or wax) alcohols with acyl-CoA-derived fatty acids. It functions in lipid metabolism in the skin, mostly in undifferentiated peripheral sebocytes. This enzyme may also have acyl-CoA:retinol acyltransferase activities, where it catalyzes the synthesis of diacylglycerols and retinyl esters. [provided by RefSeq, May 2010]