

Product datasheet for **RC220971L2V**

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: | None |
| Vector: | pLenti-C-mGFP (PS100071) |
| 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. 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_001002254.1 , NP_001002254.1 |
| RefSeq Size: | 2124 bp |
| RefSeq ORF: | 1002 bp |
| Locus ID: | 158835 |
| UniProt ID: | Q6E213 |
| 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]