

## Product datasheet for **RC220788**

### DGAT2L6 (NM\_198512) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DGAT2L6 (NM_198512) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DGAT2L6
Synonyms:	DC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC220788 representing NM_198512 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTTCTCTCCGACTGAATCTCCAGGAGGGCTCCAAACCTTCTTTGTTTTGCAATGGATCCCAG  
TCTATATATTTTAGGAGCTATCCCATTCTCCTTATACCCTACTTTCTGTTATTCAGTAAGTTCTGGCC  
CTTGGCTGTGCTCCTTAGCCTGGCTCACCTATGATTGGAACACCCACAGTCAAGGTGGCAGGCGTTCA  
GCTTGGGTACGAACTGGACCCTATGGAAGTATTTCCGAAATACTTCCCAGTAAAGCTGGTGAAGACTC  
ATGATCTTTCTCCAAACACAACACTACATCATTGCCAATCACCCCATGGCATTCTCTCTTTGGTGTCTT  
CATCAACTTTGCCACTGAGGCCACTGGCATTGCTCGGATTTCCCATCCATCACTCCCTTTGTAGGGACC  
TTAGAAAGGATATTTGGATCCCAATTGTGCGAGAATATGTGATGTCAATGGGTGTGTGCCCTGTGAGTA  
GCTCAGCCTTGAAGTACTTGTGACCCAGAAAGGCTCAGGCAATGCCGTGGTTATTGTGGTGGGTGGAGC  
TGCTGAAGCTCTCTTGTGCCGACCAGGAGCCTCCACTCTCTTCAAGCAGCGTAAAGGTTTTGTGAAG  
ATGGCACTGCAAACAGGGGCATACCTTGTCCCTCATATTCCTTTGGTGAGAACGAAGTTTTCAATCAGG  
AGACCTTCCCTGAGGGCACGTGGTTAAGGTTGTCCAAAAACCTTCCAGGACACATTCAAAAAATCCT  
GGGACTAAATTTCTGTACCTTCCATGGCCGGGCTTCACTCGCGGATCCTGGGGCTTCTGCCTTCAAT  
CGGCCATTACCACTGTTGTTGGGAACCCCTTCCAATCCCAGGATTAAGAGGCCAAACCAGAAGACAG  
TAGACAAGTATCAGCACTCTACATCAGTGCCCTGCGCAAGCTCTTTGACCAACACAAAGTTGAATATGG  
CCTCCCTGAGACCAAGAGCTGACAATTACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RC220788 representing NM\_198512  
 Red=Cloning site Green=Tags(s)

MAFFSRLNLQEGLQTFVFLQWIPVYIFLGAIPILLIPYFLLFSKFWPLAVLSLAWLTYDWNTHSQGGRRS  
 AWVRNWLWKYFRNYFPVKLVKTHDLSPKHNYIIANHPHGILSFGVFINFATEATGIARIFPSITPFVGT  
 LERIFWIPIVREYVMSMGVCPVSSALKYLLTQKGSNAVIVVGGAAEALLCRPGASTLFLKQRKGFVK  
 MALQTGAYLVPSYSFGENEVFNQETTFEGTWLRLFKQTFQDTFKKILGLNFCTFHGRGFTRGSWGFLPFN  
 RPITTVVGEPLIPRIKRPNQKTVDKYHALYISALRKLFDQHKVEYGLPETQELTIT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8013\\_g12.zip](https://cdn.origene.com/chromatograms/mk8013_g12.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_198512

**ORF Size:** 1011 bp

**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.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_198512.3](#)

**RefSeq Size:** 1708 bp

**RefSeq ORF:** 1014 bp

**Locus ID:** 347516

**UniProt ID:** [Q6ZPD8](#)

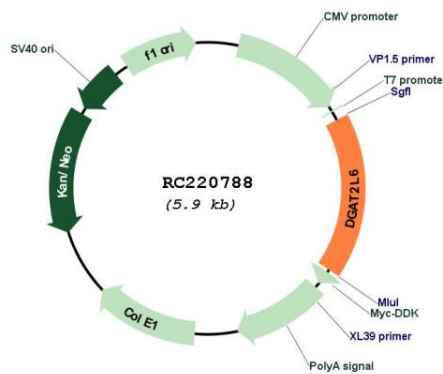
**Cytogenetics:** Xq13.1

**Protein Families:** Transmembrane

**MW:** 38.4 kDa

**Gene Summary:** This gene is a member of the diacylglycerol acyltransferase 2 family. The encoded protein is a putative acyltransferase and is most likely involved in the synthesis of di- or triacylglycerol, however its substrate specificity is currently unknown. [provided by RefSeq, Feb 2015]

**Product images:**



Circular map for RC220788