

Product datasheet for RN212082

Dgat2 (NM_001012345) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dgat2 (NM_001012345) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dgat2
Synonyms:	ARAT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN212082 representing NM_001012345 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGACCCCTCATCGCTGCCTACTCCGGGGTCTGCGGGTGAGCGTCGGGCCGAAGCTGCCCGCAGCG
AGAACAAGAATAAAGGATCTGCCCTGTCACGCGAGGGGTCTGGGCGATGGGGCACTGGCTCCAGCATCCT
CTCGGCCCTCCAAGACATCTTCTGTACCTGGCTCAACAGATCCAAGGTGGAAAAACCTACAGGTC
ATCTCAGTCTACAGTGGTCTATCCTCCTGGTGTAGGAGTGGCTGCAGTGTATCCTCATGTACA
CCTTCTGCACTGACTGCTGGCTGATAGTGTCTCTACTTCACCTGGCTGGCATTGACTGGAACACGCC
CAAGAAAGGTGGCAGGAGATCACAGTGGGTGCGAAACTGGGCCGTGTGGCGCTATTTTCGAGACTACTTT
CCCATCCAGCTGGTGAAGACACACAACCTGCTGACCACCAGGAATATATCTTTGGATACCATCCCCATG
GCATCATGGGCCCTGGGTGCCTTCTGTAACCTCAGCACGGAGGCCACCGAAGTTAGCAAGAAGTCCCTGG
CATAAGGCCTTATTTGGCCACATTGGCTGGCAACTCCGGATGCCTGTGCTTCGGGAGTACCTGATGTCT
GGAGGCATCTGCCCTGTCAACAGAGACACCATAGACTACTTGCTTTCCAAGAATGGGAGTGGTAATGCCA
TTGTCACTCGTGGTGGGAGGTGCAGCTGAATCCCTGAGCTCCATGCCTGGCAAGAACGCAGTACCCCTGCC
GAACCCGAAAGGCTTTGTAAGCTGGCCCTGCCCATGGAGCTGATCTGGTTCACCTATTCCTTTGGA
GAGAATGAGGTATACAAGCAGGTGATCTTTGAGGAGGGCTCTGGGGCCGATGGTCCAGAAGAAGTTCC
AGAAGTATATTGGTTTCGCCCTGCATCTCCATGGCCGAGGTCTCTTCTCCTCTGACACCTGGGGGCT
GGTGCCCTACTCCAAGCCATCACACCCTTGTGGGGAGCCATCACCTCCCTAAGCTGGAGCACCCG
ACCCAGAAAGACATCGACCTGTACCACACCATGTACATGGAGGCCCTGGTGAAGCTTTTGACAATCACA
AGACCAAATTCGGCCTTCAGAGACTGAGGTGCTGGAGGTGAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja3191_b08.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001012345
Insert Size:	1167 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).</p>
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:	<ol style="list-style-type: none">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_001012345.1 , NP_001012345.1
RefSeq Size:	2320 bp
RefSeq ORF:	1167 bp
Locus ID:	252900
UniProt ID:	Q5FVP8
Cytogenetics:	1q32
Gene Summary:	catalyzes a reaction in which diacylglycerol is covalently joined to long chain fatty acyl-CoAs [RGD, Feb 2006]