

Specifications:

Gene:	hDGAT1
Accession:	NP_036211
Insert size:	1480bp
Concentration:	10µg at 0.2µg/µL

hDGAT1 cDNA Plasmid

DGAT1 diacylglycerol O-acyltransferase 1 [*Homo sapiens* (human)]

Also known as: ARAT; DGAT;
ARGP1; DIAR7

Summary:

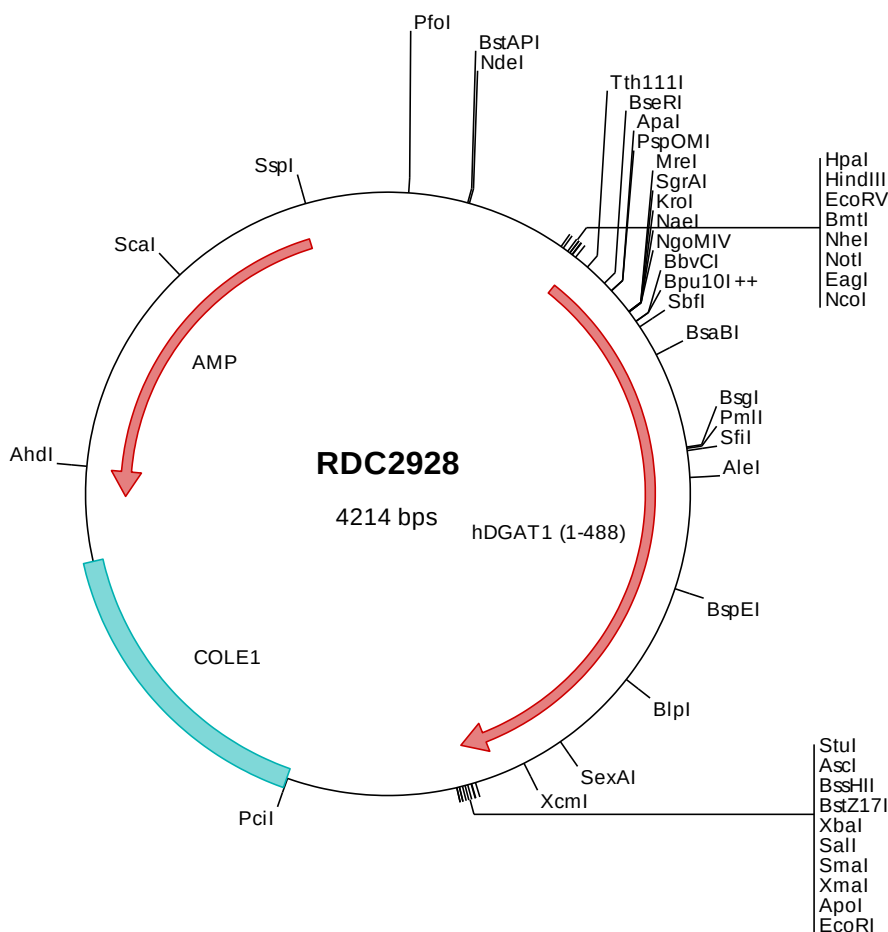
DGAT1 is a multipass transmembrane protein that functions as a key metabolic enzyme. It catalyzes the conversion of diacylglycerol and fatty acyl CoA to triacylglycerol. DGAT1 can also transfer acyl CoA to retinol. Activity of DGAT1 may be associated with obesity and other metabolic diseases.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



> RDC2928 Plasmid DNA Sequence

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> RDC2928 Translated Insert Sequence

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