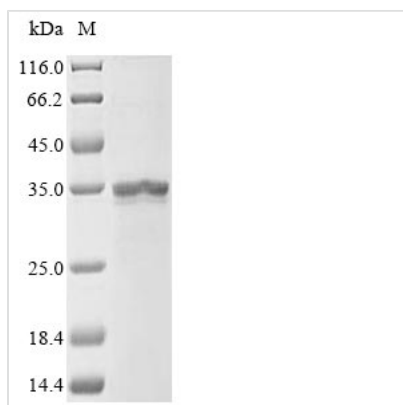




Recombinant Human Diacylglycerol O-acyltransferase 1(DGAT1),partial

Product Code	CSB-CF006817HU1
Relevance	Catalyzes the terminal and only committed step in triacylglycerol synthesis by using diacylglycerol and fatty acyl CoA as substrates. In contrast to DGAT2 it is not essential for survival. May be involved in VLDL (very low density lipoprotein) assembly. In liver, plays a role in esterifying exogenous fatty acids to glycerol. Functions as the major acyl-CoA retinol acyltransferase (ARAT) in the skin, where it acts to maintain retinoid homeostasis and prevent retinoid toxicity leading to skin and hair disorders.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	O75907
Storage Buffer	Tris-based buffer?50% glycerol
Product Type	Transmembrane Protein
Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	TVSYPDNLTYYRDLYYFLFAPTLCYELNFPSPRIKRFLRRILEMLFFTQLQVG LIQQWMVPTIQNSMKPFKDMDYSRRIERLLKLAVPNHLIWLIFFYWLFHSCNAV AELMQFGDREFYRDWWNSESVTYFWQNWNIHVHKWCIRHFYKPMMLRRGSS KWMARTGVFLASAFFHEYLVSVPLRMFRLWAFTGMMAQIPLAWFVGRFFQG NYGNAAVWLSLIIGQPPIAVLMYVHDYYVLNIEAPAAEA
Research Area	Cancer
Source	in vitro E.coli expression system
Gene Names	DGAT1
Protein Names	ACAT-related gene product 1 Acyl-CoA retinol O-fatty-acyltransferase Short name:ARAT Short name: Retinol O-fatty-acyltransferase Diglyceride acyltransferase AGRP1, DGAT
Expression Region	240-488aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	37.1 kDa
Protein Description	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.