

# Recombinant Full Length Human 2-Acylglycerol O-Acyltransferase 1(Mogat1) Protein, His-Tagged

Cat. No. RFL16306HF Lot. No. (See product label)

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Full Length Human 2-acylglycerol O-acyltransferase 1(MOGAT1) Protein (Q96PD6) (1-335aa), fused to N-terminal His tag, was expressed in E. coli.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | Full Length (1-335)   |
| <b>Form</b>             | Lyophilized powder  |
| <b>AA Sequence</b>      | MKVEFAPLNIQLARRLQTVAVLQWVLKYLKLLGPM SIGITVMLIIHNYLFLYIPYLMWLYF<br>DWHTPERGGRRSSWIKNWTLWKHF KDYFPIHLIKTQDLDP SHNYIFGFH PHGIMAV<br>GAFG NFSVNYSDFKDLFP GFTSYLHVLPLWFWCPVFREYVMSVGLVSVSKKSVSY<br>MVSKEGGGN ISVIVLGGAKESLDAHPGKFTLFIRQRKGFVKIALTHGASLVPVVSFG<br>ENELFKQTDNPE GSWIRTVQNKLQKIMGFALPLFHARGV FQYNFGLMTYRKAIHTV<br>VGRPIVVRQTLNPTQE QIEELHQTYMEELRKLFE EHKGKYGIPEHETLVLK |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.   |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid   |

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repeated freeze-thaw cycles.

**Storage Buffer** Tris/PBS-based buffer, 6% Trehalose, pH 8.0

**Reconstitution** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## GENE INFORMATION

**Gene Name** MOGAT1

**Synonyms** MOGAT1; DC2; DGAT2L1; 2-acylglycerol O-acyltransferase 1; Acyl-CoA:monoacylglycerol acyltransferase 1; MGAT1; Diacylglycerol O-acyltransferase candidate 2; hDC2; Diacylglycerol acyltransferase 2-like protein 1; Monoacylglycerol O-acyltransferase 1

**UniProt ID** [Q96PD6](#)

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