

# Recombinant Full Length Human MOGAT3 Protein, GST-tagged

**Cat. No.** MOGAT3-6305HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human MOGAT3 full-length ORF ( NP_835470.1, 1 a.a. - 341 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 341 amino acids                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Acyl-CoA: monoacylglycerol acyltransferase (MOGAT; EC 2.3.1.22) catalyzes the synthesis of diacylglycerol from 2-monoacylglycerol and fatty acyl-CoA (Cheng et al., 2003 [PubMed 12618427]).[supplied by OMIM                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 65.1 kDa                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MGVATTLLQPPTTSKTLQKQHLEAVGAYQYVLTFLFMGPFFSLLVFVLLFTSLWPFSV<br>FYLVWLYVDWDTPNQGGRRSEWIRNRAIWRQLRDYYPVKLVKTAELPPDRNYVLG<br>AHPHGIMCTGFLCNFSTESNGFSQLFPGLRPWLAVLAGLFYLPVYRDYIMSFGLCPV<br>SRQSLDFILSQPQLGQAVVIMVGGAHEALYSVPGEHCLTLQKRKGFVRLALRHGASL<br>VPVYSFGENDIFRLKAFATGSWQHWCQLTFKKLMGFSPCIFWGRGLFSATSWGLLP<br>FAVPITTVVGRPIPVQPRLHPTEEEEVNHYHALYMTALEQLFEEHKESCGVPASTCLTF<br>I |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay                                                                                                                                                                                                                                                                                                                                             |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                         |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                             |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                           |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                           |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Name</b>        | MOGAT3 monoacylglycerol O-acyltransferase 3 [ Homo sapiens ]                                                                                                                                                                                                                                                                       |
| <b>Official Symbol</b>  | MOGAT3                                                                                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>         | MOGAT3; monoacylglycerol O-acyltransferase 3; 2-acylglycerol O-acyltransferase 3; DC7; DGAT2L7; hDC7; acyl-CoA:monoacylglycerol acyltransferase 3; diacylglycerol O-acyltransferase candidate 7; diacylglycerol acyltransferase 2-like protein 7; acyl coenzyme A:monoacylglycerol acyltransferase 3; MGAT3; MGC119203; MGC119204; |
| <b>Gene ID</b>          | 346606                                                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>      | NM_178176                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>   | NP_835470                                                                                                                                                                                                                                                                                                                          |
| <b>MIM</b>              | 610184                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>       | Q86VF5                                                                                                                                                                                                                                                                                                                             |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA