

Recombinant Full Length Human AGPAT1 Protein, GST-tagged

Cat. No. AGPAT1-1000HF **Lot. No.** (See product label)

SPECIFICATION

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| Product Overview | Human AGPAT1 full-length ORF (NP_006402.1, 1 a.a. - 283 a.a.) recombinant protein with GST-tag at N-terminal. |
| Species | Human |
| Source | In Vitro Cell Free System |
| ProteinLength | 283 amino acids |
| Description | This gene encodes an enzyme that converts lysophosphatidic acid (LPA) into phosphatidic acid (PA). LPA and PA are two phospholipids involved in signal transduction and in lipid biosynthesis in cells. This enzyme localizes to the endoplasmic reticulum. This gene is located in the class III region of the human major histocompatibility complex. Alternative splicing results in two transcript variants encoding the same protein. [provided by RefSeq, Jul 2008] |
| Molecular Mass | 58.1 kDa |
| AA Sequence | MDLWPGAWML LLLLFLLLL LLPTLWFCSP SAKYFFKMAF YNGWILFLAV LAIPVCAVRG RNVENMKILR LMLLHIKYLY GIRVEVRGAH HFPPSQPYVV VSNHQSSLDL LGMMEVLPGR CVPIAKRELL WAGSAGLACW LAGVIFIDRK RTGDAISVMS EVAQTLTQD VRVWVFPEGT RNHNGSMLPF KRGAFHLAVQ AQVPIVPIVM SSYQDFYCKK ERRFTSGQCQ VRVLPPVPTE GLTPDDVPAL ADRVRHSMILT VFREISTDGR GGGDYLLKPG GGG |

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

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|-------------------------|---|
| Applications | Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array |
| Storage | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| Storage Buffer | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| GENE INFORMATION | |
| Gene Name | AGPAT1 1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha) [Homo sapiens] |
| Official Symbol | AGPAT1 |
| Synonyms | AGPAT1; 1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha); 1-acyl-sn-glycerol-3-phosphate acyltransferase alpha; LPAAT alpha; 1-AGPAT 1; 1-AGP acyltransferase 1; lysophospholipid acyltransferase; lysophosphatidic acid acyltransferase alpha; 1-acylglycerol-3-phosphate O-acyltransferase 1 (acetoacetyl Coenzyme A thiolase); G15; LPAATA; 1-AGPAT1; LPAAT-alpha; MGC4007; MGC5423 |
| Gene ID | 10554 |
| mRNA Refseq | NM_006411 |
| Protein Refseq | NP_006402 |
| MIM | 603099 |

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UniProt ID

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