

Recombinant Human GPAM protein, GST-tagged

Cat. No. GPAM-3533H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GPAM protein(479-828 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	479-828 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	SCAIMSTHIVACLLLYRHRQGIDLSTLVEDFFVMKEEVLARDFDLGFSGNSEDVVMH AIQLLGNCVTITHTSRNDEFFITPSTTVPSVFELNFYSNGVLHVFIMEAIIACSLYAVLN KRGLGGPTSTPPNLISQEQLVRKAASLCYLLSNEGTLSPCQTFYQVCHETVGKFIQY GILTVAEHDDQEDISPSLAEQQWDKKLPEPLSWRSDEEDEDSDFGEEQRDCYLKVS QSKEHQQFITFLQRLGLLEAYSSAAIFVHNFSGPVPEPEYLQKLHKYLITRTERNV AVYAESATYCLVKNVAVKMFKDGVFKETKQKRVSLELSSTFLPQCNRQKLLEYILSF VVL
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

 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

Storage Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name GPAM glycerol-3-phosphate acyltransferase, mitochondrial [Homo sapiens]

Official Symbol GPAM

Synonyms GPAM; glycerol-3-phosphate acyltransferase, mitochondrial; glycerol-3-phosphate acyltransferase 1, mitochondrial; glycerol 3 phosphate acyltransferase 1; mitochondrial; GPAT1; KIAA1560; MGC26846; GPAT-1; glycerol 3-phosphate acyltransferase, mitochondrial; GPAT; RP11-426E5.2;

Gene ID 57678

mRNA Refseq NM_001244949

Protein Refseq NP_001231878

MIM 602395

UniProt ID Q9HCL2

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SDS-PAGE

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