

Recombinant Human GPAM protein, His & T7-tagged

Cat. No. GPAM-1604H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GPAM aa. (Leu594~Leu828 (Accession # Q9HCL2)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu594~Leu828
Description	This gene encodes a mitochondrial enzyme which prefers saturated fatty acids as its substrate for the synthesis of glycerolipids. This metabolic pathway's first step is catalyzed by the encoded enzyme. Two forms for this enzyme exist, one in the mitochondria and one in the endoplasmic reticulum. Two alternatively spliced transcript variants have been described for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.5kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	5.5

GENE INFORMATION

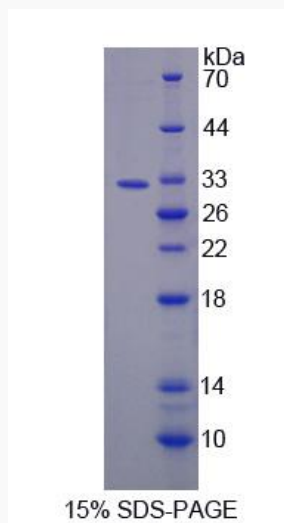
Gene Name	GPAM glycerol-3-phosphate acyltransferase, mitochondrial [Homo sapiens (human)]
Official Symbol	GPAM
Synonyms	GPAM; glycerol-3-phosphate acyltransferase, mitochondrial; GPAT; GPAT1; glycerol-3-phosphate acyltransferase 1, mitochondrial; GPAT-1
Gene ID	57678
mRNA Refseq	NM_001244949.1
Protein Refseq	NP_001231878.1
UniProt ID	Q9HCL2

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SDS-PAGE



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