Recombinant Human GPAM, GST-tagged

Cat. No. GPAM-13406H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GPAM protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-353a.a.
Description	Guanine nucleotide binding proteins are heterotrimeric signal-transducing molecules consisting of alpha, beta, and gamma subunits. The alpha subunit binds guanine nucleotide, can hydrolyze GTP, and can interact with other proteins. The protein encoded by this gene represents the alpha subunit of an inhibitory complex. The encoded protein is part of a complex that responds to beta-adrenergic signals by inhibiting adenylate cyclase. Two transcript variants encoding different isoforms have been found for this gene.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

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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
Chromosome Location	10q25.3
Pathway	CDP-diacylglycerol biosynthesis I, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Glycerolipid metabolism, organism-specific biosystem; Glycerolipid metabolism, conserved biosystem; Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Function	glycerol-3-phosphate O-acyltransferase activity; glycerol-3-phosphate O-acyltransferase activity; transferase activity, transferring acyl groups;

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