

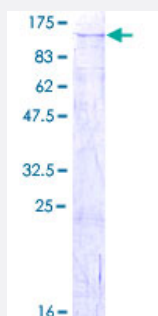
Full-Length

GPAM (Human) Recombinant Protein (P01)

Catalog # H00057678-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GPAM full-length ORF (AAH30783.1, 1 a.a. - 828 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDEYALTLGTIDVSYLPHSSEYSVGRCKHTSEEWGECGFRPTIFRSATLKWKESLMSRKRPFVGR
CCYSCTPQSWDKFFNTSIPSLGLRNVYINETHTRHRGWLARRLSYVLFQERDVHKGMFATNVTE
NVLNSSRVQEAI AEVAAELNPDGSAQQQSKAVNKVKKKAKRILQEMVATVSPAMIRLTGWVLLKL
FNSFFWNIQIHKGQLEMVKAATETNLP LLFLPVHRSHIDYLLLT FIFCHNIKAPYASGNNLNIPIFSTLI
HKLGGFFIRRLDETPDGRKDVLYRALLHGHV ELLRQQQFLEIFLEGTRSRSGKTSCARAGLLSV
VVDTLSTNVIPDILIPVGISYDRIIEGHYNGEQLGKPKKNESLWSVARGVIRMLRKNYGCVRVDFAQ
PFSLKEYLESQSQKPV SALLSLEQALLPAILPSRPSDA ADEGRDTSINESRNATDESLRRRLIANLA
EHILFTASKSCAIMSTHIVACLLLYRHRQGIDLSTLVEDFFVMKEEV LARDFDLGFSGNSEDVVMH
AIQLLGNCVTITHTSRNDEFFITPSTTVPSVFELNFYSNGVLHVFIMEAIIACSLYAVLNKRGLGGPTS
TPPNLISQEQLVRKAASLCYLLSNEG TISLPCQTFYQVCHETVGKFIQYGILTVAEHDDQEDISPSLA
EQQWDKKLPEPLSWRSDEEDEDSDFGEEQRDCYLVKSQSKEHQQFITFLQRLLGPLLEAYSSA
AIFVHNFGSPVPEPEYLQKLHKYLITRTERNVAVYAESATYCLVKNV KMFKDIGVFKETKQKRVS
VLELSSTFLPQCNRQKLLEYILSFVVL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

120.3

Interspecies Antigen Sequence

Mouse (92); Rat (91)

Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GPAM

Entrez GeneID	57678
GeneBank Accession#	BC030783.1
Protein Accession#	AAH30783.1
Gene Name	GPAM
Gene Alias	GPAT1, KIAA1560, MGC26846, RP11-426E5.2
Gene Description	glycerol-3-phosphate acyltransferase, mitochondrial
Omim ID	602395
Gene Ontology	Hyperlink
Gene Summary	Glycerol-3-phosphate acyltransferase (GPAT; EC 2.3.1.15), which catalyzes the initial and committing step in glycerolipid biosynthesis, is predicted to play a pivotal role in the regulation of cellular triacylglycerol and phospholipid levels. Two mammalian forms of GPAT have been identified on the basis of localization to either the endoplasmic reticulum or mitochondria.[supplied by OMIM]

Other Designations

glycerol 3-phosphate acyltransferase, mitochondrial|mitochondrial glycerol 3-phosphate acyltransferase

Pathway

- [Glycerolipid metabolism](#)
- [Glycerophospholipid metabolism](#)
- [Metabolic pathways](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)