

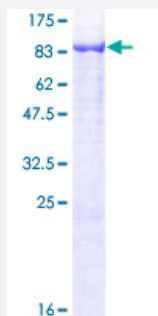
Full-Length

GNPAT (Human) Recombinant Protein (P01)

Catalog # H00008443-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GNPAT full-length ORF (NP_055051.1, 1 a.a. - 680 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MESSSSSNSYFSVGPTSPSAVVLLYSKELKKWDEFEDILEERRHVSDLKFAMKCYTPLVYKGITP
CKPIDIKCSVLNSEEIHVVIKQLSKESLQSVDLREEVSEILDEMSHKRLGAIRFCFTLSKVFKQIF
SKVCVNEEGIQKLQRAIQEHPVLLPSHRSYIDFLMLSFLLYNDLPVPVIAAGMDFLGMKMGEL
LRMSGAFFMRRTFGGNKLYWAVFSEYVKTMLRNGYAPVEFFLEGTRRSRSLTPKFGLLNVMME
PFFKREVFDTYLPISISYDKILEETLYYELLGVPKPKESTTGILLKARKILSENFGSIHVYFGDPVSL
RSLAAGRMSRSSYNLVPRIYQKQSEDMHAFVTEVAYKMELLQIENMVLSPWTLVAVLLQNRPS
MDFDALVEKTLWLKGLTQAFGGFLWPDNKPAAEVVPASILLHSNIASLVKDQVILKVDSGDSEVV
DGLMLQHITLLMCSAYRNQLLNIFVRPSLVAVALQMTPGFRKEDVYSCFRFLRDVFADEFIFLPGN
TLKDFEEGCYLLCKSEAIQVTTKDILVTEKGNTVLEFLVGLFKPFVESYQIICKYLLSEEDHFSEEQ
YLA AVRKFTSQLLDQGTSQCYDVLSSDVQKNALAACVRLGVVEKKKINNNCIFNVNEPATTKLEE
MLGCKTPIGKPATAKL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

103.6

Interspecies Antigen Sequence

Mouse (82); Rat (82)

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 — GNPAT

Entrez GeneID	8443
GeneBank Accession#	NM_014236.2
Protein Accession#	NP_055051.1
Gene Name	GNPAT
Gene Alias	DAP-AT, DAPAT, DHAPAT
Gene Description	glyceronephosphate O-acyltransferase
Omim ID	222765 602744
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an enzyme located in the peroxisomal membrane which is essential to the synthesis of ether phospholipids. Mutations in this gene are associated with rhizomelic chondrodysplasia punctata. [provided by RefSeq]
Other Designations	OTTHUMP00000036147 acyl-CoA:dihydroxyacetonephosphateacyltransferase glycerone-phosphate O-acyltransferase

Pathway

- [Glycerophospholipid metabolism](#)

Disease

- [Attention](#)
- [Genetic Predisposition to Disease](#)
- [Neuropsychological Tests](#)
- [Schizophrenia](#)