

# Recombinant Full Length Human GNPAT Protein, GST-tagged

Cat. No. GNPAT-5401HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human GNPAT full-length ORF ( NP_055051.1, 1 a.a. - 680 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	680 amino acids
<b>Description</b>	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
<b>Molecular Mass</b>	103.6 kDa
<b>AA Sequence</b>	MESSSSSNSYFSVGPTSPSAVLLYSKELKKWDEFEDILEERRHVSDLKFAMKCYTP LVYKGITPCKPIDIKCSVLNSEEIHYVIKQLSKESLQSVDLREEVSEILDEM SHKLR LG AIRFCAFTLSKVFKQIFSKVCVNEEGIQKLQRAIQEHPVLLPSHRSYIDFLMLSFLLY NYDLPVPVIAAGMDFLGMKMGVCELLRMSGAFFMRRRTFGGNKLYWAVFSEYVKTML RNGYAPVEFFLEGTRSRSAKTLTPKFLLNIVMEPFFKREVFDTYLVPI SISYDKILEE TLYVYELLGVPKPKESTTGLLKARKILSENFSGSIHVYFGDPVSLRSLAAGRMSRSSYN LVPRYIPQKQSEDMHAFVTEVAYKMELLQIENMVLSPWTLIVAVLLQNRPSMDFDAL VEKTLWLKGLTQAFGGFLIWPDNKPAEEVVPASILLHSNIASLVKDQVILKVDSGDSE VVDGLMLQHITLLMCSAYRNQLLNIFVRPSLVAVALQMTPGFRKEDVYSCFRFLRDV FADEFIFLPGNTLKDFFEEGCYLLCKSEAIQVTTKDILVTEKGNTVLEFLVGLFKPFVES

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

YQIICKYLLSEEDHFSEEQYLA AVRKFTSQLLDQGTSQCYDVLSSDVQKNALAACV  
 RLG VVEKKKINNNCIFNVNEPATTKLEEMLGCKTPIGKPATAKL

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	GNPAT glyceronephosphate O-acyltransferase [ Homo sapiens ]
<b>Official Symbol</b>	GNPAT
<b>Synonyms</b>	GNPAT; glyceronephosphate O-acyltransferase; dihydroxyacetone phosphate acyltransferase; DAP AT; DAPAT; DHAPAT; DHAP-AT; glycerone-phosphate O-acyltransferase; acyl-CoA:dihydroxyacetonephosphateacyltransferase; DAP-AT;
<b>Gene ID</b>	8443
<b>mRNA Refseq</b>	NM_014236
<b>Protein Refseq</b>	NP_055051
<b>MIM</b>	602744

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UniProt ID

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