



# Recombinant Human Dihydroxyacetone phosphate acyltransferase (GNPAT)

<b>Product Code</b>	CSB-EP009629HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O15228
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MESSSSSNSY FSVGPTSPSA VLLYSKELK KWDEFEDILE ERRHVSDLKF AMKCYTPLVY KGITPCKPID IKCSVLNSEE IHYVIKQLSK ESLQSVDVLR EEVSEILDEM SHKLRLG AIR FCAFTLSKVF KQIFSKVCVN EEGIQKLQRA IQEHPVLLP SHRSYIDFLM LSFLLYNYDL PVPVIAAGMD FLGMKMGEL LRMSGAFFMR RTFGGNKLYW AVFSEYVKTMLRNGYAPVEF FLEGTRSRSA KTLTPKFGLL NIVMEPFFKR EVFDTYLVPI SISKILEE TLYVYELLGV PKPKESTTGL LKARKILSEN FGSIHVYFGD PVSLRSLAAG RMSRSSYNLV PRYIPQKQSE DMHAFVTEVA YKMELLQIEN MVLSPWTLIV AVLLQNRPSM DFDALVEKTL WLKGLTQAFG GFLIWPDNKP AEEVVPASIL LHSNIASLVK DQVILKVDSG DSEVVDGLML QHITLLMCSA YRNQLLNIFV RPSLVAVALQ MTPGFRKEDV YSCFRFLRDV FADEFIFLPG NTLKDFEEGC YLLCKSEAIQ VTTKDILVTE KGNTVLEFLV GLFKPFVESY QIICKYLLSE EEDHFSEEQY LAAVRKFTSQ LLDQGTSQCY DVLSSDVQKN ALAACVRLGV VEKKKINNNC IFNVNEPATT KLEEMLGCKT PIGKPATAKL
<b>Source</b>	E.coli
<b>Target Names</b>	GNPAT
<b>Protein Names</b>	Recommended name: Dihydroxyacetone phosphate acyltransferase Short name= DAP-AT Short name= DHAP-AT EC= 2.3.1.42 Alternative name(s): Acyl-CoA:dihydroxyacetonephosphateacyltransferase Glycerone-phosphate O-acyltransferase
<b>Expression Region</b>	1-680
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.