



Recombinant Human Dihydroxyacetone phosphate acyltransferase (GNPAT)

Product Code	CSB-EP009629HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O15228
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MESSSSSNSY FSVGPTSPSA VLLYSKELK KWDEFEDILE ERRHVS DLKF 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
Source	E.coli
Target Names	GNPAT
Protein Names	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
Expression Region	1-680
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	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.

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.