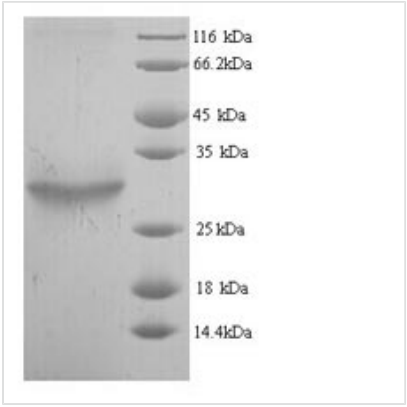
Recombinant Escherichia coli 1-acyl-sn-glycerol-3-phosphate acyltransferase (plsC)

Product Code	CSB-YP340803ENV
Relevance	Converts lysophosphatidic acid (LPA) into phosphatidic acid by incorporating an acyl moiety at the 2 position. This enzyme can utilize either acyl-CoA or acyl-ACP as the fatty acyl donor.
Abbreviation	Recombinant E.coli plsC protein
Storage	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.
Uniprot No.	P26647
Alias	Lysophosphatidic acid acyltransferase ;LPAATPhosphatidic acid synthase ;PA synthase
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MLYIFRLIITVIYSILVCVFGSIYCLFSPRNPKHVATFGHMFGRLAPLFGLKVECR KPTDAESYGNAIYIANHQNNYDMVTASNIVQPPTVTVGKKSLLWIPFFGQLYWL TGNLLIDRNNRTKAHGTIAEVVNHFKKRRISIWMFPEGTRSRGRGLLPFKTGAF HAAIAAGVPIIPVCVSTTSNKINLNRLHNGLVIVEMLPPIDVSQYGKDQVRELAA HCRSIMEQKIAELDKEVAEREAAGKV
Research Area	Others
Source	Yeast
Target Names	plsC
Protein Names	Recommended name: 1-acyl-sn-glycerol-3-phosphate acyltransferase Short name= 1-AGP acyltransferase Short name= 1-AGPAT EC= 2.3.1.51 EC= 2.3.1.n4 Alternative name(s): Lysophosphatidic acid acyltransferase Short name=
Expression Region	1-245aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	29.5kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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

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