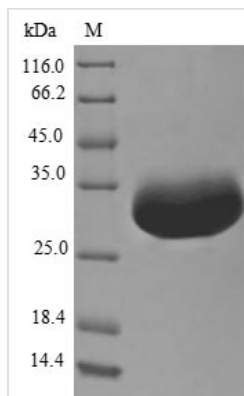




Recombinant Escherichia coli Ditrans, polycis-undecaprenyl-diphosphate synthase ((2E,6E)-farnesyl-diphosphate specific) (ispU)

Product Code	CSB-EP350241ENV
Relevance	Generates ditrans, octakis-undecaprenyl pyrophosphate (UPP) from isopentenyl pyrophosphate (IPP) and farnesyl diphosphate (FPP). UPP is the precursor of glycosyl carrier lipid in the biosynthesis of bacterial cell wall polysaccharide components such as peptidoglycan and lipopolysaccharide.
Abbreviation	Recombinant E.coli ispU 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.	P60472
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MMLSATQPLSEKLP AHGCRHVAIIMDGN GRWAKKQGKIRAFGHKAGAKSVRR AVSFAANNGIEALTLYAFSS ENWNRPAQEVSALMELFVWALDSEVKSLHRHNV RLRIIGDTSR FNSRLQERIRKSEALTAGNTGLTLNIAANYGGRWDIVQGVRQLA EKVQQGNLQPDQIDE EMLNQHVCMHELAPVDLVIRTGGEHRISN FLLWQIAYA ELYFTDVLWPDFDEQDFEGALNAFANRERRFGGTEPGDETA
Research Area	Microbiology
Source	E.coli
Target Names	ispU
Protein Names	Ditrans, polycis-undecaprenylcistransferase Undecaprenyl diphosphate synthase Short name: UDS Undecaprenyl pyrophosphate synthase Short name: UPP synthase
Expression Region	1-253aa
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	32.4 kDa
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

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.