Recombinant Escherichia coli ISPU Protein (1-253 aa), His-tagged

Cat. No. ISPU-2369E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain K12) ISPU Protein (1-253 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Microbiology. Protein Description: Full Length of Mature Protein.
Species	E.coli
Source	E.coli
ProteinLength	1-253 aa
Description	Generates ditrans,octacis-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.
Form	Tris-based buffer,50% glycerol
Molecular Mass	32.4 kDa
AA Sequence	MMLSATQPLSEKLPAHGCRHVAIIMDGNGRWAKKQGKIRAFGHKAGAKSVRRAVSF AANNGIEALTLYAFSSENWNRPAQEVSALMELFVWALDSEVKSLHRHNVRLRIIGDT SRFNSRLQERIRKSEALTAGNTGLTLNIAANYGGRWDIVQGVRQLAEKVQQGNLQP DQIDEEMLNQHVCMHELAPVDLVIRTGGEHRISNFLLWQIAYAELYFTDVLWPDFDE QDFEGALNAFANRERRFGGTEPGDETA

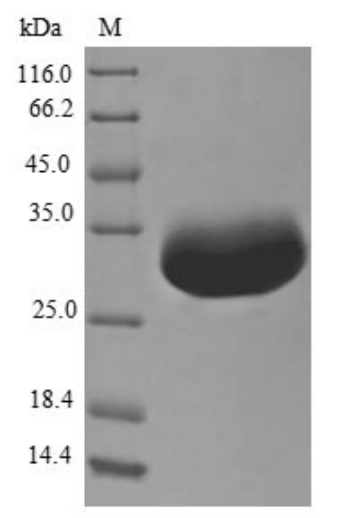
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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	ispU undecaprenyl diphosphate synthase [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	ISPU
Synonyms	ispU; ECK0173; rth; uppS; yaeS;
Gene ID	944874
Protein Refseq	NP_414716
UniProt ID	P60472

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

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