



Recombinant Human Decaprenyl-diphosphate synthase subunit 1 (PDSS1)

Product Code	CSB-EP729202HU
Abbreviation	PDSS1
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.	Q5T2R2
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MASRWWRWRR GCSWKPAARS PGPSPGRAG PLGPSAAAEV RAQVHRRKGL DLSQIPYINL VKHLTSACPN VCRISRFHHT TPDSKTHSGE KYTDPFKLGW RDLKGLYEDI RKELLISTSE LKEMSEYYFD GKGKAFRPII VALMARACNI HHNNSRHHVQA SQRAIALIAE MIHTASLVHD DVIDDASSRR GKHTVNIKWG EKKAVLAGDL ILSAASIALA RIGNTTVISI LTQVIEDLVR GEFLQLGSKE NENERFAHYL EKTFKKTASL IANSCKAVSV LGCPDPVVHE IAYQYGKNVG IAFQLIDDLV DFTSCSDQMG KPTSADLKLK LATGPVLFAC QQFPEMNAMI MRRFSLPGDV DRARQYVLQS DGVQQTTYLA QQYCHEAIRE ISKLRPSPER DALIQLSEIV LTRDK
Source	E.coli
Target Names	PDSS1
Protein Names	Recommended name: Decaprenyl-diphosphate synthase subunit 1 EC=2.5.1.91 Alternative name(s): All-trans-decaprenyl-diphosphate synthase subunit 1 Decaprenyl pyrophosphate synthase subunit 1 Trans-prenyltransferase 1 Short name=
Expression Region	1-415
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 protein is an enzyme that elongates the prenyl side-chain of coenzyme Q, or ubiquinone, one of the key elements in the respiratory chain. The gene product catalyzes the formation of all trans-polyprenyl pyrophosphates from isopentyl diphosphate in the assembly of polyisoprenoid side chains, the first step in coenzyme Q biosynthesis. The protein may be peripherally associated with the inner mitochondrial membrane, though no transit peptide has been definitively identified to date. Defects in this gene are a cause of coenzyme Q10



deficiency.

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.