

Recombinant Human PDSS2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PDSS2-4256H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PDSS2 MS Standard C13 and N15-labeled recombinant protein (NP_065114) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is an enzyme that synthesizes 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. Defects in this gene are a cause of coenzyme Q10 deficiency.
Molecular Mass	44.2 kDa
AA Sequence	MNFRQLLLHLPRYLGASGSPRRLWWSPSLDTISSVGSWRGRSSKSPAHWNVVSE AEKIVGYPTSFMSLRCLLSDELSNIAMQVRKLVGTQHPLLTARGLVHDSWNSLQLR GLVVLLISKAAGPSSVNTSCQNYDMVSGIYSCQRS LAEITELIHIALLVHRGIVNLNEL QSSDGPLKDMQFGNKIAILSGDFLLANACNGLALLQNTKVVELLASALMDLVQG VYH ENSTSKESYITDDIGISTWKEQTFLSHGALLAKSCQAAMELAKHDAEVQNMAFQY GK HMAMSHKINSVDVQPFIEKTSDSMTFNLNSAPVVLHQEFLGRDLWIKQIREAQEKGR LDYAKLRERIKAGKGVTSAILDCRYHGNKALEALESFPPSEARSALENIVFAVTRFST

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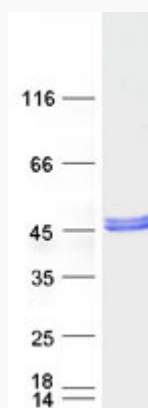
 45-1 Ramsey Road, Shirley, NY 11967, USA

	RTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	PDSS2 decaprenyl diphosphate synthase subunit 2 [Homo sapiens (human)]
Official Symbol	PDSS2
Synonyms	PDSS2; prenyl (decaprenyl) diphosphate synthase, subunit 2; C6orf210, chromosome 6 open reading frame 210; decaprenyl-diphosphate synthase subunit 2; bA59I9.3; decaprenyl pyrophosphate synthase subunit 2; subunit 2 of decaprenyl diphosphate synthase; decaprenyl pyrophosphate synthetase subunit 2; all-trans-decaprenyl-diphosphate synthase subunit 2; DLP1; hDLP1; C6orf210;
Gene ID	57107
mRNA Refseq	NM_020381
Protein Refseq	NP_065114

MIM 610564

UniProt ID Q86YH6

SDS-PAGE



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