

Product datasheet for PH307892

PDSS2 (NM_020381) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PDSS2 MS Standard C13 and N15-labeled recombinant protein (NP_065114)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207892
Predicted MW:	44.2 kDa
Protein Sequence:	>RC207892 protein sequence Red=Cloning site Green=Tags(s)

MNFRQLLLHLPRYL GASGSPRRLWSPSLDTISSVGSWRGRSSKSPAHWNQVSEAEKIVGYPTSFMSLR
 CLLSDEL SNIAMQVRKLVGTQHP LLTTARGLVHDSWNSLQLRGLVLLISKAA GPSSVNTSCQNYDMVSG
 IYSCQRSLAEITELIHIALLVHRGIVNLNELQSSDGPLKDMQFGNKIAILSGDFLLANACNGLALLQNTK
 VVELLASALMDLVQGVYHENSTSKESYITDDIGISTWKEQTFLSHGALLAKSCQAAMELAKHDAEVQNMA
 FQYGKHMAMSHKINSDVQPF IKEKTSDSMTFNLNSAPVVLHQEFLGRDLWIKQIREAQEKGRLDYAKLRE
 RIKAGKGVTS AIDLCRYHG NKALEALESFPPSEARSALENIVFAVTRFS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_065114</u>
RefSeq Size:	3568
RefSeq ORF:	1197
Synonyms:	bA59I9.3; C6orf210; COQ1B; COQ10D3; DLP1; hDLP1
Locus ID:	57107



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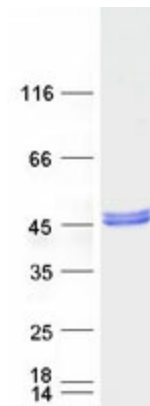
UniProt ID: [Q86YH6](#)

Cytogenetics: 6q21

Summary: 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.[provided by RefSeq, Oct 2009]

Protein Pathways: Terpenoid backbone biosynthesis

Product images:



Coomassie blue staining of purified PDSS2 protein (Cat# [TP307892]). The protein was produced from HEK293T cells transfected with PDSS2 cDNA clone (Cat# [RC207892]) using MegaTran 2.0 (Cat# [TT210002]).