

## Product datasheet for PH301430

### Dehydrodolichyl Diphosphate Synthase (DHDDS) (NM\_024887) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	DHDDS MS Standard C13 and N15-labeled recombinant protein (NP_079163)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201430
Predicted MW:	38.7 kDa
Protein Sequence:	>RC201430 protein sequence Red=Cloning site Green=Tags(s)

MSWIKEGELSLWERFCANI I KAGMPKHI AFIMDGNRRYAKKCQVERQEGHSQGFNKLAE TLRWCLNLGI  
LEVTVYAFS IENFKRSKSEVDGLMDLARQKFSRLMEEKEKLQKHGVCIRVLGDLHLLPLDLQELIAQAVQ  
ATKNYNKCF LNVCFAYTSRHEISNAVREMAWGVEQGLDPSDISESLLDKCLYTNRSPHPDILIRTSGEV  
RLSDFLLWQTSLSCLVFQPVLPWEYTFWNLF EAILQFQMNHSM LQKARDMYAEERKRQQLERDQATVTEQ  
LLREGLQASGDAQLRRTRLHKLSARREERVQGF LQALELKRADWLARLGTASA

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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><a href="#">NP_079163</a></u>
RefSeq Size:	3343
RefSeq ORF:	909
Synonyms:	CIT; CPT; DEDSM; DS; hCIT; HDS; RP59
Locus ID:	79947



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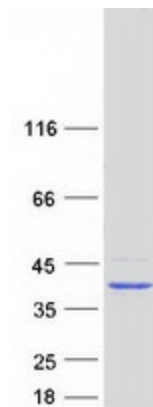
UniProt ID: [Q86SQ9](#)

Cytogenetics: 1p36.11

**Summary:** The protein encoded by this gene catalyzes cis-prenyl chain elongation to produce the polyprenyl backbone of dolichol, a glycosyl carrier lipid required for the biosynthesis of several classes of glycoproteins. Mutations in this gene are associated with retinitis pigmentosa type 59. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]

**Protein Pathways:** Terpenoid backbone biosynthesis

### Product images:



Coomassie blue staining of purified DHDDS protein (Cat# [TP301430]). The protein was produced from HEK293T cells transfected with DHDDS cDNA clone (Cat# [RC201430]) using MegaTran 2.0 (Cat# [TT210002]).