

## Product datasheet for TP301430

### Dehydrodolichyl Diphosphate Synthase (DHDDS) (NM\_024887) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dehydrodolichyl diphosphate synthase (DHDDS), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201430 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MSWIKEGELSLWERFCANIIKAGPMPKHIAFIMDGNRRYAKKCQVERQEGHSQGFNKLAE<sup>TR</sup>LRWCLNLGI LEVTVYAFSIENFKRSKSEVDGLMDLARQKFSRLMEEKEKLQKHGVCIRVLGDLHLLPLDLQELIAQAVQ ATKNYNKCFLNVCFA<sup>TR</sup>YTSRHEISNAVREMAWGVEQGLLDPSDISESLLDKCLYTNRSPHPDILIRTSGEV RLSDFLLWQTS<sup>TR</sup>HSCLVFQPV<sup>TR</sup>LWPEYTFWNLF<sup>TR</sup>EAILQFQMNHSM<sup>TR</sup>LQKARDMYA<sup>TR</sup>EERKRQQLERDQATVTEQ LLREGLQASGDAQLRRTRLHKLSARREERVQGF<sup>TR</sup>LQALELKRADWLARLGTASA</p> <p><b>TR</b>TRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	38.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_079163</a>
Locus ID:	79947



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UniProt ID: [Q86SQ9](#)

RefSeq Size: 3343

Cytogenetics: 1p36.11

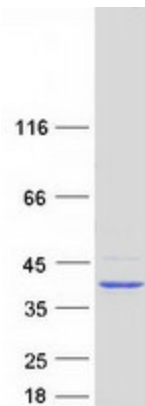
RefSeq ORF: 909

Synonyms: CIT; CPT; DEDSM; DS; hCIT; HDS; RP59

**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]).