

## Product datasheet for TP301430L

### 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, 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC201430 protein sequence  
 Red=Cloning site Green=Tags(s)

MSWIKEGELSLWERFCANIIKAGPMPKHIAFIMDGNRRYAKKCQVERQEGHSQGFNKLAEFLRWCLNLGI  
 LEVTVYAFSIENFKRSKSEVDGLMDLARQKFSRLMEEKEKLQKHGVCIRVLGDLHLLPLDLQELIAQAVQ  
 ATKNYKCFLNVCFAVTSRHEISNAVREMAWGVEQGLDPSDISESLLDKCLYTNRSPHPDILIRTSGEV  
 RLSDFLLWQTSLSCLVFQPVLPWPEYTFWNLFMAILQFQMNHSMQLKARDMYAERKRQQLERDQATVTEQ  
 LLREGLQASGDAQLRRLHKLRSARREERVQGFLLQALELKRADWLARLGTASA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**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:** [NP\\_079163](#)

**Locus ID:** 79947



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UniProt ID: [Q86SQ9](#)

RefSeq Size: 3343

Cytogenetics: 1p36.11

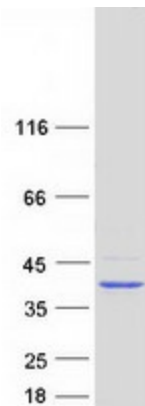
RefSeq ORF: 909

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]).