

Product datasheet for **SC330146**

Dehydrodolichyl Diphosphate Synthase (DHDDS) (NM_001243564) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dehydrodolichyl Diphosphate Synthase (DHDDS) (NM_001243564) Human Untagged Clone
Tag: Tag Free
Symbol: DHDDS
Synonyms: CIT; CPT; DEDSM; DS; hCIT; HDS; RP59
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330146 representing NM_001243564.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

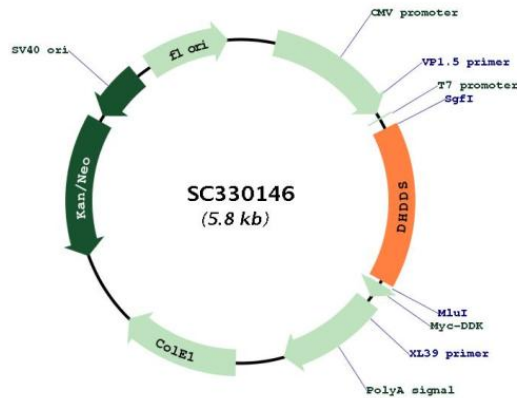
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ATGTCATGGATCAAGGAAGGAGAGCTGTCACTTTGGGAGCGGTTCTGTGCCAACATCATAAAGGCAGGC
CCAATGCCGAAACACATTGCATTATAATGGACGGGAACCGTCGCTATGCCAAGAAGTGCCAGGTGGAG
CGGCAGGAAGGCCACTCACAGGGCTTCAACAAGCTAGCTGAGACTCTGCGGTGGTGTGTTGAACCTGGGC
ATCCTAGAGGTGACAGTCTACGCATTGAGACTTCAAACGCTCCAAGAGTGAGGTAGACGGG
CTTATGGATCTGGCCCGCAGAAGTTGAGCCGCTTGGTGAAGAAAAGGAGAACTGCAGAAGCATGGG
GTGTGTATCCGGTCTGGGCGATCTGCACTTGTGCCCTGGATCTCCAGGAGCTGATTGCACAAGCT
GTACAGGCCACGAAGAACTACAACAATGATATCTCTGAGTCTCTGCTTGATAAGTGCCTCTATACCAAC
CGCTCTCCTCATCCTGACATCTTGATACGACTTCTGGAGAAGTGGGCTGAGTGACTTCTTGCTATGG
CAGACCTCTCACTCCTGCCTGGTGTCCAAACCGTTCTGTGGCCAGAGTATACATTTTGGAACTCTTC
GAGGCCATCCTGCAGTTCAGATGAACCATAGCGTGCTTCAGAAGGCCCGAGACATGTATGCAGAGGAG
CGGAAGAGGCAGCAGCTGGAGAGGGACCAGGCTACAGTGACAGAGCAGCTGCTGCGAGAGGGGCTCCAA
GCCAGTGGGACGCCAGCTCCGAAGGACACGCTTGCACAACTCTCGGCCAGACGGGAAGAGCGAGTC
CAAGGCTTCTGCAGGCCCTGGAAGTCAAGCGAGCTGACTGGCTGGCCCGTCTGGGCACTGCATCAGCC
TGA
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001243564

Insert Size: 900 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001243564.1](#)

RefSeq Size: 3238 bp

RefSeq ORF: 900 bp

Locus ID: 79947

UniProt ID: [Q86SQ9](#)

Cytogenetics: 1p36.11

Protein Pathways: Terpenoid backbone biosynthesis

MW: 34.8 kDa

Gene 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]
Transcript Variant: This variant (3) lacks an in-frame coding exon compared to variant 1. This results in a shorter isoform (3) missing an internal protein segment compared to isoform 1.