

Recombinant Human FDFT1 Protein (His269-His417), His tagged

Cat. No. FDFT1-3282H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FDFT1 (His269-His417) protein fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	His269-His417
Description	Catalyzes the condensation of 2 farnesyl pyrophosphate (FPP) moieties to form squalene. Proceeds in two distinct steps. In the first half-reaction, two molecules of FPP react to form the stable presqualene diphosphate intermediate (PSQPP), with concomitant release of a proton and a molecule of inorganic diphosphate. In the second half-reaction, PSQPP undergoes heterolysis, isomerization, and reduction with NADPH or NADH to form squalene. It is the first committed enzyme of the sterol biosynthesis pathway.
Molecular Mass	17.42 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8

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	centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	FDFT1 farnesyl-diphosphate farnesyltransferase 1 [Homo sapiens (human)]
Official Symbol	FDFT1
Synonyms	FDFT1; farnesyl-diphosphate farnesyltransferase 1; squalene synthase; squalene synthetase; FPP:FPP farnesyltransferase; presqualene-di-diphosphate synthase; SS; SQS; DGPT; ERG9;
Gene ID	2222
mRNA Refseq	NM_004462
Protein Refseq	NP_004453
MIM	184420
UniProt ID	P37268

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