

Recombinant Human FDFT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FDFT1-4025H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FDFT1 MS Standard C13 and N15-labeled recombinant protein (NP_004453) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a membrane-associated enzyme located at a branch point in the mevalonate pathway. The encoded protein is the first specific enzyme in cholesterol biosynthesis, catalyzing the dimerization of two molecules of farnesyl diphosphate in a two-step reaction to form squalene.
Molecular Mass	48.1 kDa
AA Sequence	MEFVKCLGHPEEFYNLVRFRIGGKRKVMKMDQDSLSSSLKTCYRYLNQTSRFAA VIQALDGEMRNAVCIFYLVLRALDTLEDDMTISVEKKVPLLHNFHSFLYQPDWRFME SKEKDRQVLEDFPTISLEFRNLAKEYQTVIADICRRMGIGMAEFLDKHVTSEQEWDK YCHYVAGLVGIGLSRLFSASEFEDPLVGEDTERANSMGLFLQKTNIRDYLEDQGGG REFWPQEVWSRYVKKLGDFAKPENIDLAVQCLNELITNALHHIPDVITYLSRLRNQSV FNFCAIPQVMAIATLAACYNNQQVFKGAVKIRKGQAVTLMMDATNMPAVKAIYQYM EEIYHRIPDSPPSSSKTRQIISTIRTQNLPCQLISRSHYSPIYLSFVMLLAALSWQYLT TLSQVTEDYVQTGEHTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
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

SDS-PAGE

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