

Recombinant Full Length Human FDFT1 Protein, C-Flag-tagged

Cat. No. FDFT1-1048HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human FDFT1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	47.9 kDa
AA Sequence	MEFVKCLGHPEEFYNLVRFRIGGKRKVMKMDQDSLSSSLKTCYRYLNQTSRSFAA VIQALDGEMRNAVC IFYLVLRALDTLEDDMTISVEKKVPLLHNFHSFLYQPDWRFME SKEKDRQVLEDFPTISLEFRNLAKEYQ TVIADICRRMGIGMAEFLDKHVTSEQEWDK YCHYVAGLVGIGLSRLFSASEFEDPLVGEDTERANSMGLF LQKTNIIRDYLEDQQGG REFWPQEVWSRYVKKLGDFAKPENIDLAVQCLNELITNALHHIPDVITYLSRL RNQS VFNFCAIPQVMAIATLAACYNNQQVFKGAVKIRKGGQAVTLMMDATNMPAVKAIYQY MEEIYHRIP DSDPSSSKTRQIISTIRTQNLPCQLISRSHYSPIYLSFVMLLAALSWQY LTTLSQVTEDYVQTGEHTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Metabolic pathways, Steroid biosynthesis
Full Length	Full L.

GENE INFORMATION

Gene Name	FDFT1 farnesyl-diphosphate farnesyltransferase 1 [Homo sapiens (human)]
Official Symbol	FDFT1
Synonyms	SS; SQS; DGPT; ERG9; SQSD
Gene ID	2222
mRNA Refseq	NM_004462.5
Protein Refseq	NP_004453.3

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MIM 184420

UniProt ID P37268



Coomassie blue staining of purified FDFT1 protein.

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