

## Product datasheet for **TP301392**

### FDFT1 (NM\_004462) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human farnesyl-diphosphate farnesyltransferase 1 (FDFT1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201392 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MEFVKCLGHPEEFYNLVRFRIGGKRVMPKMDQDSLSSSLKTCYRYLNQTSRSFAAVIQALDGEMRNAVC  
IFYLVLRALDTLEDDMTISVEKKVPLLNHNFHFLYQPDWRFMESKEKDRQVLEDFPTISLEFRNLAEKYQ  
TVIADICRRMGIGMAEFLDKHVTSEQEWDKYCHYVAGLVGIGLSRLFSASEFEDPLVGEDTERANSMGLF  
LQKTNIRDYLEDQGGREFWPQEVWSRYVKKLGDFAKPENIDLAVQCLNELITNALHHIPDVITYLSRL  
RNQSVFNFAIPQVMAIATLAACYNNQQVFKGAVKIRKQAVTLMMDATNMPAVKAIYQYMEEIYHRIP  
DSDPSSSKTRQIISTIRTQNLPCQLISRSHYSPIYLSFVMLLAALSWQYLTTLSQVTEDEVVQTGEH

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	47.9 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:	<a href="#">NP_004453</a>
Locus ID:	2222



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UniProt ID: [P37268, Q6IAX1](#)

RefSeq Size: 2192

Cytogenetics: 8p23.1

RefSeq ORF: 1251

Synonyms: DGPT; ERG9; SQS; SQSD; SS

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Steroid biosynthesis

### Product images:



Coomassie blue staining of purified FDFT1 protein (Cat# TP301392). The protein was produced from HEK293T cells transfected with FDFT1 cDNA clone (Cat# [RC201392]) using MegaTran 2.0 (Cat# [TT210002]).