

Product datasheet for PH301392

FDFT1 (NM_004462) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FDFT1 MS Standard C13 and N15-labeled recombinant protein (NP_004453)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201392
Predicted MW:	48.1 kDa
Protein Sequence:	>RC201392 protein sequence Red=Cloning site Green=Tags(s)

MEFVKCLGHPEEFYNLVRFRIGGKRKVMKMDQDSLSSSLKTCYRYLNQTSRSFAAVIQALDGMERNAVC
IFYLVLRALDTLEDDMTISVEKKVPLLHNFHSFLYQPDWRFMESKEKDRQVLEDFPTISLEFRNLAEKYQ
TVIADICRRMGIGMAEFLDKHVTSEQEWDKYCHYVAGLVGIGLSRFLSASEFEDPLVGEDTERANSMGLF
LQKTNIIRDYLEDDQGGREFWPQEVWSRYVKLGDFAKPENIDLAVQCLNELITNALHHIPDVITYL SRL
RNQSVFNFAIPQVMAIATLAACYNNQQVFKGAVKIRKGQAVTLMMDATNMPAVKAIYQYMEEIYHRIP
DSDPSSSKTRQIISTIRTQNLPCQLISRSHYSPIYLSFVMLLAALSWQYLTTLTTSQVTEYVQTGEH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004453
RefSeq Size:	2192
RefSeq ORF:	1251
Synonyms:	DGPT; ERG9; SQS; SQSD; SS
Locus ID:	2222



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UniProt ID: [P37268](#), [Q6IAX1](#)

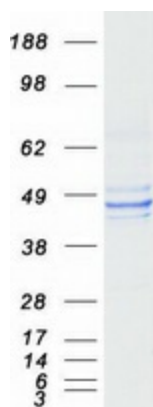
Cytogenetics: 8p23.1

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]).