

Datasheet for ABIN7563440  
**FDFT1 Protein (AA 1-416) (His tag)**



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## Overview

Quantity:	1 mg
Target:	FDFT1
Protein Characteristics:	AA 1-416
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FDFT1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Fdft1 Protein expressed in mammalian cells.
Sequence:	<p>MEFVKCLGHP EEFYNLLRFR MGGRRNFIPK MDQDSLSSSL KTCYKYLNQT SRSFAAVIQA LDGDIRHAIC VFYLVLRALD TVEDDMSISV EKKIPLLCNF HTFLYDPEWR FTESKEKDRQ VLEDFTISL EFRNLAEKYQ TVIDDICHRM GCGMAEFVDK DVTSKQDWDK YCHYVAGLVG IGLSRLFSAS EFEDPIVGED IECANSMGLF LQKTNIIRDY LEDQQEGRKF WPQEVWGRYI KKLEDFAKPE NVDVAVQCLN ELITNTLQHI PDVLTYSRL RNQSVFNFCA IPQVMAIATL AACYNNQQVF KGVVKIRKQG AVTLMMDATN MPAVKAIYQ YIEEYHRIP NSDPSSSKTK QVISKIRTQN LPNCQLISRS HYSPIYLSFI MLLAALSWQY LSTLSQVTEY YVQREH <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

## Product Details

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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### Grade:

custom-made

## Target Details

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### Target:

FDFT1

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### Alternative Name:

Fdft1 ([FDFT1 Products](#))

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### Background:

Squalene synthase (SQS) (SS) (EC 2.5.1.21) (FPP:FPP farnesyltransferase) (Farnesyl-diphosphate farnesyltransferase),FUNCTION: Catalyzes the condensation of 2 farnesyl pyrophosphate (FPP) moieties to form squalene (PubMed:10521476). 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 (By similarity). {ECO:0000250|UniProtKB:P37268, ECO:0000269|PubMed:10521476}.

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### Molecular Weight:

48.2 kDa

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### UniProt:

[P53798](#)

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### Pathways:

[Regulation of Lipid Metabolism by PPARalpha](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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