

Datasheet for ABIN7547680
FDFT1 Protein (AA 1-417) (His tag)



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Overview

Quantity:	1 mg
Target:	FDFT1
Protein Characteristics:	AA 1-417
Origin:	Human
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:	MEFVKCLGHP EEFYNLVRFR IGGKRKVMMPK MDQDSLSSSL KTCYKYLNQT SRSFAAVIQA LDGEMRNAVC IFYLVLRALD TLEDDMTISV EKKVPLLHNF HSFLYQPDWR FMESKEKDRQ VLEDFPTISL EFRNLAEKYQ TVIADICRRM GIGMAEFLDK HVTSEQEWDK YCHYVAGLVG IGLSRLFSAS EFEDPLVGED TERANSMGLF LQKTNIIRDY LEDQQGGREF WPQEVWSRYV KKLGDFAKPE NIDLAVQCLN ELITNALHHI PDVITYLSRL RNQSVFNFCA IPQVMAIATL AACYNNQQVF KGAVKIRKGQ AVTLMMDATN MPAVKAIYQ YMEEIYHRIP DSDPSSSKTR QIISTIRTQN LPNCQLISRS HYSPIYLSFV MLLAALSWQY LTTLSQVTEG YVQTGEH 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.
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

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.

Purity:

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

Grade:

custom-made

Target Details

Target:

FDFT1

Alternative Name:

FDFT1 ([FDFT1 Products](#))

Background:

Squalene synthase (SQS) (SS) (EC 2.5.1.21) (FPP:FPP farnesyltransferase) (Farnesyl-diphosphate farnesyltransferase) (Farnesyl-diphosphate farnesyltransferase 1),FUNCTION: Catalyzes the condensation of 2 farnesyl pyrophosphate (FPP) moieties to form squalene. 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. {ECO:0000269|PubMed:10896663, ECO:0000269|PubMed:24531458}.

Molecular Weight:

48.1 kDa

UniProt:

[P37268](#)

Pathways:

[Regulation of Lipid Metabolism by PPARalpha](#)

Application Details

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.

Restrictions: For Research Use only

Handling

Format: Liquid

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

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
