

Datasheet for ABIN7547733  
**FDPS Protein (AA 1-419) (His tag)**



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## Overview

Quantity:	1 mg
Target:	FDPS
Protein Characteristics:	AA 1-419
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FDPS protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant FDPS Protein expressed in mammalian cells.
Sequence:	<p>MPLSRWLRSV GVLLPAPYW APRERWLGSL RRPSLVHGYP VLAWHSARCW CQAWTEEPRA LCSSLRMNGD QNSDVYAQEK QDFVQHFSQI VRVLTEDEMG HPEIGDAIAR LKEVLEYNAI GGKYNRGLTV VVAFRELVPEP RKQDADSLQR AWTVGWCVEL LQAFFLVADD IMDSSLTRRG QICWYQKPGV GLDAINDANL LEACIYRLLK LYCREQPYYL NLIELFLQSS YQTEIGQTLTLD LLTAPQGNVD LVRFTEKRYK SIVKYKTAFY SFYLPAAAM YMAGIDGEKE HANAKKILLE MGEFFQIQDD YLDFLGDPSV TGKIGTDIQD NKCSWLVVQC LQRATPEQYQ ILKENYQGQKE AEKVARVKAL YEELDLPVAVF LQYEEDSYSH IMALIEQYAA PLPPAVFLGL ARKIYKRRK <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:

FDPS

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### Alternative Name:

FDPS ([FDPS Products](#))

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### Background:

Farnesyl pyrophosphate synthase (FPP synthase) (FPS) (EC 2.5.1.10) ((2E,6E)-farnesyl diphosphate synthase) (Dimethylallyltransferase) (EC 2.5.1.1) (Farnesyl diphosphate synthase) (Geranyltransferase),FUNCTION: Key enzyme in isoprenoid biosynthesis which catalyzes the formation of farnesyl diphosphate (FPP), a precursor for several classes of essential metabolites including sterols, dolichols, carotenoids, and ubiquinones. FPP also serves as substrate for protein farnesylation and geranylgeranylation. Catalyzes the sequential condensation of isopentenyl pyrophosphate with the allylic pyrophosphates, dimethylallyl pyrophosphate, and then with the resultant geranylpyrophosphate to the ultimate product farnesyl pyrophosphate.

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### Molecular Weight:

48.3 kDa

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### UniProt:

[P14324](#)

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### Pathways:

[Regulation of Muscle Cell Differentiation](#)

## 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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