

Datasheet for ABIN7504326
FDPS Protein (AA 1-353) (His tag)



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Overview

Quantity:	100 µg
Target:	FDPS
Protein Characteristics:	AA 1-353
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FDPS protein is labelled with His tag.

Product Details

Purpose:	Human FDPS Protein
Sequence:	Met1-Lys353
Characteristics:	Recombinant Human FDPS Protein is expressed from E.coli with His tag at the N-Terminus.It contains Met1-Lys353.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	FDPS
Alternative Name:	FDPS (FDPS Products)

Target Details

Background:	Farnesyl pyrophosphate synthase (FPPS, also known as farnesyl diphosphate synthase (FDPS)) is one of the key enzymes involved in the mevalonate pathway and as such is widely expressed. FPPS modulators, specifically FPPS inhibitors, are useful in treating a number of diseases, including bone-related disorders characterized by excessive bone resorption, for example, osteoporosis, cancer metastasis to bone and infectious diseases caused by certain parasites.
Molecular Weight:	41.93 kDa same as Tris-Bis PAGE result.
NCBI Accession:	NP_001129294
Pathways:	Regulation of Muscle Cell Differentiation

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months