



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## FDPS 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00002224-T01

規格 : [ 100 uL ]

List All

### Specification

**Transfected Cell Line:** 293T

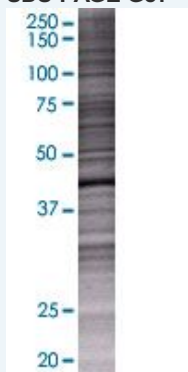
**Plasmid:** pCMV-FDPS full-length

**Host:** Human

**Theoretical MW (kDa):** 46.2

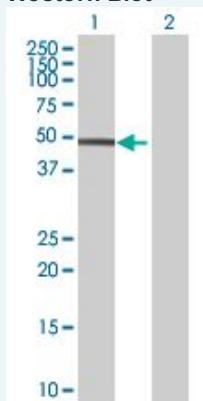
**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-FDPS antibody (H00002224-B01) by Western Blots.

#### SDS-PAGE Gel



FDPS transfected lysate.

#### Western Blot



Lane 1: FDPS transfected lysate ( 46.2 KDa)

Lane 2: Non-transfected lysate.

**Storage Buffer:** 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**MSDS:**  [Download](#)

### Applications

## Western Blot

### Gene Information

Entrez GeneID: [2224](#)

GeneBank [NM\\_002004.2](#)  
Accession#:

Protein [NP\\_001995.1](#)  
Accession#:

Gene Name: FDPS

Gene Alias: FPPS,FPS

Gene Description: farnesyl diphosphate synthase (farnesyl pyrophosphate synthetase, dimethylallyltranstransferase, geranyltranstransferase)

Omim ID: [134629](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** This gene encodes an enzyme that catalyzes the production of geranyl pyrophosphate and farnesyl pyrophosphate from isopentenyl pyrophosphate and dimethylallyl pyrophosphate. The resulting product, farnesyl pyrophosphate, is a key intermediate in cholesterol and sterol biosynthesis, a substrate for protein farnesylation and geranylgeranylation, and a ligand or agonist for certain hormone receptors and growth receptors. Drugs that inhibit this enzyme prevent the post-translational modifications of small GTPases and have been used to treat diseases related to bone resorption. Multiple pseudogenes have been found on chromosomes 1, 7, 14, 15, 21 and X. Multiple transcript variants encoding different isoforms have been found for this gene

**Other Designations:** FPP synthetase, OTTHUMP00000015807, OTTHUMP00000015808, farnesyl diphosphate synthase

### Gene Pathway

[Biosynthesis of alkaloids derived from terpenoid and polyketide](#)  
[Biosynthesis of plant hormones](#) [Biosynthesis of terpenoids and steroids](#)  
[Metabolic pathways](#) [Terpenoid backbone biosynthesis](#)

### Related Disease

[Alzheimer Disease](#) [Alzheimer disease](#)