

# Recombinant Human GGPS1 Protein (His Tag)

Catalog Number:PKSH032484



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

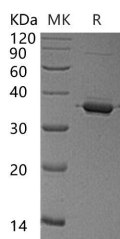
## Description

<b>Synonyms</b>	Geranylgeranyl Pyrophosphate Synthase;GGPP Synthase;GGPPSase;(2E,6E)-Farnesyl Diphosphate Synthase;Dimethylallyltranstransferase;Farnesyl Diphosphate Synthase;Farnesyltranstransferase;Geranylgeranyl Diphosphate Synthase;Geranyltranstransferase;GGPS1
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met 1-Glu300
<b>Accession</b>	O95749
<b>Calculated Molecular Weight</b>	37.0 kDa
<b>Observed molecular weight</b>	35 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, 20% Glycerol, pH 8.0.
<b>Reconstitution</b>	Not Applicable

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Geranylgeranyl pyrophosphate synthase (GGPS1) is a member of the FPP/GGPP synthase family. GGPS1 is highly expressed in testis, heart and skeletal muscle. GGPS1 is localized in the cytoplasm and has geranylgeranyl diphosphate (GGPP) synthase activity. It catalyzes the trans-addition of the three molecules of IPP onto DMAPP to form geranylgeranyl pyrophosphate, an important precursor of carotenoids and geranylated proteins. Other transcriptional splice variants have been found.

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017