

# Recombinant Human GGPS1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GGPS1-1260H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

GGPS1 MS Standard C13 and N15-labeled recombinant protein (NP\_001032354) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

This gene is a member of the prenyltransferase family and encodes a protein with geranylgeranyl diphosphate (GGPP) synthase activity. The enzyme catalyzes the synthesis of GGPP from farnesyl diphosphate and isopentenyl diphosphate. GGPP is an important molecule responsible for the C20-prenylation of proteins and for the regulation of a nuclear hormone receptor. Alternate transcriptional splice variants, both protein-coding and non-protein-coding, have been found for this gene.

### Molecular Mass

34.9 kDa

### AA Sequence

MEKTQETVQRILLEPYKYLQLPGKQVVRTKLSQAFNHWLKVPEDKLQIIIEVTEMLHN  
ASLLIDDIEDNSKLRRGFPVAHSIYGIPSVINSANYVYFLGLEKVLTDHPDAVKLFTR  
QLLELHQGGQLDIYWRDNYTCPTEEEYKAMVLQKTGGLFGLAVGLMQLFSDYKEDL  
KPLLNTLGLFFQIRDDYANLHSKEYSENKSFCEDLTEGKFSFPTIHAIWSRPESTQVQ  
NILRQRTEINIDIKKYCVHYLEDVGSFEYTRNTLKELEAKAYKQIDARGGNPELVALVK  
HLSKMFKEENETRTRPLEQKLISEEDLAANDILDYKDDDDKV

### Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

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<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

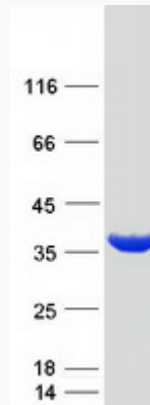
<b>Gene Name</b>	GGPS1 geranylgeranyl diphosphate synthase 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	GGPS1
<b>Synonyms</b>	GGPS1; geranylgeranyl diphosphate synthase 1; geranylgeranyl pyrophosphate synthase; GGPPS1; GGPPSase; GGPP synthase; geranyltranstransferase; farnesyltranstransferase; dimethylallyltranstransferase; farnesyl diphosphate synthase; (2E,6E)-farnesyl diphosphate synthase; GGPPS;
<b>Gene ID</b>	9453
<b>mRNA Refseq</b>	NM_001037277
<b>Protein Refseq</b>	NP_001032354
<b>MIM</b>	606982
<b>UniProt ID</b>	O95749

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SDS-PAGE



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