

Recombinant Human GGPS1 Protein, His-tagged

Cat. No. GGPS1-677H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GGPS1 (NP_001032354.1) (Met1-Glu300) was expressed with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-300 a.a.
Predicted N Terminal	Met
Form	Lyophilized from sterile NI-A, 20 % glycerol, 5% ~ 8% trehalose and mannitol.
Molecular Mass	The recombinant human GGPS1 consists 311 amino acids and predicts a molecular mass of 36.3 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [GGPS1 geranylgeranyl diphosphate synthase 1 \[Homo sapiens \]](#)

Official Symbol [GGPS1](#)

Synonyms GGPS1; geranylgeranyl diphosphate synthase 1; geranylgeranyl pyrophosphate synthase; GGPPS1; GGPPSase; GGPP synthase; geranyltranstransferase; farnesyltranstransferase; dimethylallyltranstransferase; farnesyl diphosphate synthase; (2E,6E)-farnesyl diphosphate synthase; GGPPS;

Gene ID [9453](#)

mRNA Refseq [NM_001037277](#)

Protein Refseq [NP_001032354](#)

MIM [606982](#)

UniProt ID [O95749](#)

Chromosome Location 1q43

Pathway Cholesterol biosynthesis, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Terpenoid backbone biosynthesis, organism-specific biosystem; Terpenoid backbone biosynthesis,

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conserved biosystem; geranylgeranyldiphosphate biosynthesis, organism-specific biosystem;

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