

Recombinant Human GGPS1, GST-tagged

Cat. No. GGPS1-13243H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GGPS1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-300a.a.
Description	Guanylate-binding proteins, such as GBP6, are induced by interferon and hydrolyze GTP to both GDP and GMP (Olszewski et al., 2006 [PubMed 16689661]).
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	GGPS1 geranylgeranyl diphosphate synthase 1 [Homo sapiens]
Official Symbol	GGPS1
Synonyms	GGPS1; geranylgeranyl diphosphate synthase 1; geranylgeranyl pyrophosphate

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	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, conserved biosystem; geranylgeranyldiphosphate biosynthesis, organism-specific biosystem;
Function	dimethylallyltranstransferase activity; farnesyltranstransferase activity; geranyltranstransferase activity; metal ion binding; transferase activity;