

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

Cat. No. GGPS1-3659H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GGPS1 MS Standard C13 and N15-labeled recombinant protein (NP_004828) 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 QLLELHQGGQLDIYWRDNYTCPTEEYKAMVLQKTGGLFGLAVGLMQLFSDYKEDL KPLLNTLGLFFQIRDDYANLHSKEYSENKSFCEDLTEGKFSFPTIHAIWSRPESTQVQ NILRQRTEINIDIKKYCVHYLEDVGSFEYTRNTLKELEAKAYKQIDARGGNPELVALVK HLSKMFKEENETRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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

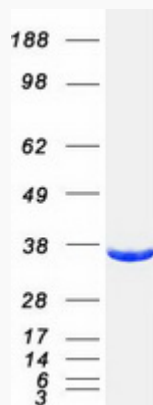
GENE INFORMATION

Gene Name	GGPS1 geranylgeranyl diphosphate synthase 1 [Homo sapiens (human)]
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_004837
Protein Refseq	NP_004828
MIM	606982
UniProt ID	O95749

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SDS-PAGE

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