Recombinant Full Length Human GGPS1 Protein, C-Flag-tagged

Cat. No. GGPS1-2093HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human GGPS1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	34.7 kDa
AA Sequence	MEKTQETVQRILLEPYKYLLQLPGKQVRTKLSQAFNHWLKVPEDKLQIIIEVTEMLHN ASLLIDDIEDNS KLRRGFPVAHSIYGIPSVINSANYVYFLGLEKVLTLDHPDAVKLFTR QLLELHQGQGLDIYWRDNYTCPT EEEYKAMVLQKTGGLFGLAVGLMQLFSDYKED LKPLLNTLGLFFQIRDDYANLHSKEYSENKSFCEDLTE GKFSFPTIHAIWSRPESTQV QNILRQRTENIDIKKYCVHYLEDVGSFEYTRNTLKELEAKAYKQIDARGG NPELVALV KHLSKMFKEENE TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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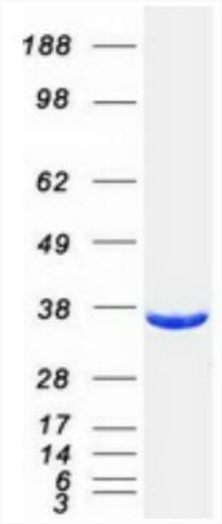
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Metabolic pathways, Terpenoid backbone biosynthesis
Full Length	Full L.

GENE INFORMATION

Gene Name	GGPS1 geranylgeranyl diphosphate synthase 1 [Homo sapiens (human)]
Official Symbol	GGPS1
Synonyms	GGPPS; MDHLO; GGPPS1; MUDHLOV
Gene ID	9453
mRNA Refseq	NM_004837.4
Protein Refseq	NP_004828.1
MIM	606982

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UniProt ID	O95749



Coomassie blue staining of purified GGPS1 protein.

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