Recombinant Human Geranylgeranyl Diphosphate Synthase 1, T7-tagged

Cat. No. GGPS1-825H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant GGPS1 protein was expressed in E.coliwith T7-tag at the N-terminus. The molecular weight is 34871 Da
Species	Human
Source	E.coli
Description	GGPS1 geranylgeranyl diphosphate synthase 1 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, encoding different isoforms, have been characterized.
Sequences of amino acids	1-300 aa
Formulation	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN3. 10mM DTT.
Purity	95%

GENE INFORMATION

Gene Name	GGPS1 geranylgeranyl diphosphate synthase 1 [Homo sapiens]

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Synonyms	GGPPS; GGPPS1; GGPS1; geranylgeranyl pyrophosphate synthase; GGPPSase; GGPP synthase; OTTHUMP00000216161; OTTHUMP00000216162; OTTHUMP00000216163; OTTHUMP00000216164; geranylgeranyl diphosphate synthase 1; geranylgeranyl pyrophosphate synthase; Geranylgeranyl diphosphate synthase
Gene ID	9453
mRNA Refseq	NM_001037277
Protein Refseq	NP_001032354
MIM	606982
UniProt ID	O95749
Chromosome Location	1q43
Pathway	ECM-receptor interaction; Focal adhesion; Toll-like receptor signaling pathway; Integrin cell surface interactions; Signaling by PDGF
Function	cytokine activity
PDBrendering based on 2fvi.	

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