



# Recombinant Human Geranylgeranyl pyrophosphate synthase (GGPS1)

<b>Product Code</b>	CSB-YP009393HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O95749
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MEKTQETVQR ILLEPYKYL LQLPGKQVRTK LSQAFNHWLK VPEDKQLQIII EVTEMLHNAS LLIDDIEDNS KLRRGFVVAH SIYGIPSVIN SANYVYFLGL EKVLTLDHPD AVKLFTRQLL ELHQGGGLDI YWRDNYTCPT EEEYKAMV LQ KTGGLFGLAV GLMQLFSDYK EDLKPLLNTL GLFFQIRDDY ANLHSKEYSE NKSFCEDLTE GKFSFPTIHA IWSRPESTQV QNILRQR TEN IDIKKYCVHY LEDVGSFEYT RNTLKELEAK AYKQIDARGG NPELVALVKH LSKMFKEENE
<b>Source</b>	Yeast
<b>Target Names</b>	GGPS1
<b>Protein Names</b>	Recommended name: Geranylgeranyl pyrophosphate synthase Short name= GGPP synthase Short name= GGPPSase EC= 2.5.1.- Alternative name(s): (2E,6E)-farnesyl diphosphate synthase Dimethylallyltranstransferase EC= 2.5.1.1
<b>Expression Region</b>	1-300
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	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, encoding different isoforms, have been characterized.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.



Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.