

## Recombinant Human GMPPA protein, His-tagged

Cat. No. GMPPA-3847H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GMPPA protein(1-420 aa), fused to His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-420 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
<b>AA Sequence</b>	MLKAVILIGGPQKGTRFRPLSFVEVPKPLFPVAGVPMIQHHIEACAQVPGMQEILLIGFY QPDEPLTQFLEAAQQEFNLPVRYLQEFAPLGTGGGLYHFRDQILAGSPEAFFVLNAD VCSDFPLSAMLEAHRQRHPFLLLGTANRTQSLNYGCIVENPQTHEVLHYVEKPST FISDIINCGIYLFSPALKPLRDVFQRNQDQGLEDSPGLWPGAGTIRLEQDVFSALA GGQIYVHLTDGIWSQIKSAGSALYASRLYLSRYQDTHPERLAKHTPGGPWIRGNV YIHPTAKVAPSAVLGPNVSIKGVTVGEGVRLRESIVLHGATLQEHTCVLHSIVGWG STVGRWARVEGTPSDPNPNDPRARMDSSESLFKDGKLLPAITILGCRVRIPAEVLILNS IVLPHKELSRSTNQIIL
<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Short-term storage: Store at 2-8°C for (1-2 weeks).

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Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

**Reconstitution**

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.  
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

**GENE INFORMATION****Gene Name**

GMPPA GDP-mannose pyrophosphorylase A [ Homo sapiens ]

**Official Symbol**

GMPPA

**Synonyms**

GMPPA; GDP-mannose pyrophosphorylase A; mannose-1-phosphate guanylyltransferase alpha; mannose-1-phosphate guanylyltransferase (GDP); GTP-mannose-1-phosphate guanylyltransferase alpha;

**Gene ID**

29926

**mRNA Refseq**

NM\_013335

**Protein Refseq**

NP\_037467

**UniProt ID**

Q96IJ6

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