

Recombinant Human GMPPA protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human GMPPA protein(1-420 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-420 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	MLKAVILIGGPQKGTRFRPLSFVEVPKPLFPVAGVPMIQHHIEACAQVPGMQEILLIGFY QPDEPLTQFLEAAQQEFNLPVRYLQEFAPLGTGGGLYHFRDQILAGSPEAFFVLNAD VCSDFPLSAMLEAHRQRHPFLLLGTTANRTQSLNYGCIVENPQTHEVLHYVEKPST FISDIINCGIYLFSPALKPLRDVFQRNQDQGLEDSPGLWPGAGTIRLEQDVFSALA GQGQIYVHLTDGIWSQIKSAGSALYASRLYLSRYQDTHPERLAKHTPGGPWIRGNV YIHPTAKVAPSAVLGPNVSGKGVTVGEGVRLRESIVLHGATLQEHTCVLHSIVGWG STVGRWARVEGTPSDPNPNDPRARMDSSESLFKDGKLLPAITILGCRVRIPAIEVLILNS IVLPHELSRSFTNQIIL
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	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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