



# Recombinant Human Mannose-1-phosphate guanyltransferase beta (GMPPB)

<b>Product Code</b>	CSB-YP896740HU
<b>Abbreviation</b>	GMPPB
<b>Storage</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.
<b>Uniprot No.</b>	Q9Y5P6
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MKALILVGGY GTRLRPLTLS TPKPLVDFCN KPILLHQVEA LAAAGVDHVI LAVSYMSQVL EKEMKAQEQR LGIRISMSHE EEPLGTAGPL ALARDLLSET ADPFFVLNSD VICDFPFQAM VQFHRHHGQE GSILVTKVEE PSKYGVVVCE ADTGRIHRFV EKPQVFVSNK INAGMYILSP AVLQRIQLQP TSIEKEVFPI MAKEGQLYAM ELQGFWMDIG QPKDFLTGMC LFLQSLRQKQ PERLCSGPGI VGNVLVDPSA RIGQNCSIGP NVSLGPGVVV EDGVCIRRCT VLRDARIRSH SWLESCIVGW RCRVGQWVRM ENVTVLGEDV IVNDELYLNG ASVLPKHSIG ESVPEPRIIM
<b>Source</b>	Yeast
<b>Target Names</b>	GMPPB
<b>Protein Names</b>	Recommended name: Mannose-1-phosphate guanyltransferase beta EC= 2.7.7.13 Alternative name(s): GDP-mannose pyrophosphorylase B GTP-mannose-1-phosphate guanylyltransferase beta
<b>Expression Region</b>	1-360
<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 thought to encode a GDP-mannose pyrophosphorylase. The encoded protein catalyzes the conversion of mannose-1-phosphate and GTP to GDP-mannose, a reaction involved in the production of N-linked oligosaccharides. Alternatively spliced transcript variants encoding distinct isoforms have been described.
<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.

### Shelf Life

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