



Recombinant Rat Mannose-1-phosphate guanyltransferase alpha (Gmppa)

Product Code	CSB-EP726370RA
Abbreviation	Gmppa
Storage	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.
Uniprot No.	Q5XIC1
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	MLKAVILIGG PQKGTRFRPL SFEVPKPLFP VAGVPMIQHH IEACAQVPGM QEILLIGFYQ PDEALTQFLE AAQQEFNLPV RYLQEFTPLG TGGGLYHFRD QILAGAPEAF FVLNADVCSDFPLSAMLDAH RLQRHPFLLL GTTANRTQSL NYGCIVENPQ THEVLHYVEK PSTFISDIIN CGIYLFSPA LKPLRDVFQR NQQDGQLEES PGSWPGAGTI RLEQDVFSAL AGQGQIYVHL TDGIWSQIKS AGSALYASRL YLGRYQITHP ERLARHTAGG PRIIRGNVYIH PTAKVAPSAV LGPNVSIGKG VTIGEGVRLR ESIVLHGATL QEHTCVLHSI VGWGSTVGRW ARVEGTPNDP NPNDPRARMDSSESLFKDGKL LPAITILGCR VRIPAEVLIL NSIVLPHKEL SRSFTNQIIL
Source	E.coli
Target Names	Gmppa
Protein Names	Recommended name: Mannose-1-phosphate guanyltransferase alpha EC=2.7.7.13 Alternative name(s): GDP-mannose pyrophosphorylase A GTP-mannose-1-phosphate guanylyltransferase alpha
Expression Region	1-420
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This gene is thought to encode a GDP-mannose pyrophosphorylase. This enzyme catalyzes the reaction which converts mannose-1-phosphate and GTP to GDP-mannose which is involved in the production of N-linked oligosaccharides.
Reconstitution	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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