

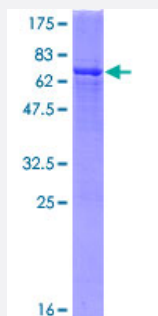
Full-Length

GMPPB (Human) Recombinant Protein (P01)

Catalog # H00029925-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GMPPB full-length ORF (AAH01141.1, 1 a.a. - 360 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKALILVGGYGTRLRPLTLSTPKPLVDFCNKPILLHQVEALAAAGVDHVILAVSYMSQVLEKEMKA
QEQLRGIRISMSHEEEPLGTAGPLALARDLLSETADPFFVLNSDVICDFPFQAMVQFHRHHGQEG
SILVTKVEEPSKYGVVVCEADTGRIHRFVEKPQVFVSNKINAGMYILSPAVLRRQLQPTSIEKEVFPI
MAKEGQLYAMELQGFWM DIGQPKDFLTGMCLFLQSLRQKQPERLCSGPGMGVGNVLVDPSARIGQ
NCSIGPNVSLGPGVVVEDGVCIRRCTVLRDARIRSHSWLESCVWRCRVGQWVRMENVTVLGE
DVIVNDELYLNGASVLP HKSIGESVPEPRIM

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

66.3

Interspecies Antigen Sequence

Mouse (98); Rat (98)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GMPPB

Entrez GeneID[29925](#)**GeneBank Accession#**[BC001141.1](#)**Protein Accession#**[AAH01141.1](#)**Gene Name**

GMPPB

Gene Alias

KIAA1851

Gene Description

GDP-mannose pyrophosphorylase B

Gene Ontology[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

mannose-1-phosphate guanylyltransferase

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Fructose and mannose metabolism](#)

- [Metabolic pathways](#)

Disease

- [Crohn Disease](#)
- [Genetic Predisposition to Disease](#)