

GMPPB Blocking Peptide (Center)
Synthetic peptide
Catalog # BP22043c**Specification**

GMPPB Blocking Peptide (Center) - Product Information

Primary Accession [O9Y5P6](#)
Other Accession [Q8BTZ7](#), [P0C5I2](#)

GMPPB Blocking Peptide (Center) - Additional Information

Gene ID 29925

Other Names

Mannose-1-phosphate guanylyltransferase beta, 2.7.7.13, GDP-mannose pyrophosphorylase B, GTP-mannose-1-phosphate guanylyltransferase beta, GMPPB

Target/Specificity

The synthetic peptide sequence is selected from aa 149-162 of HUMAN GMPPB

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GMPPB Blocking Peptide (Center) - Protein Information

Name GMPPB ([HGNC:22932](#))

Function

Catalytic subunit of the GMPPA-GMPPB mannose-1-phosphate guanylyltransferase complex (PubMed:33986552). Catalyzes the formation of GDP-mannose, an essential precursor of glycan moieties of glycoproteins and glycolipids (PubMed:33986552). Can catalyze the reverse reaction in vitro (PubMed:33986552). Together with GMPPA regulates GDP-alpha-D-mannose levels (PubMed:33986552).

Cellular Location

Cytoplasm.

Tissue Location

[Isoform 1]: Ubiquitously expressed, including in brain and skeletal muscle.

GMPPB Blocking Peptide (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

GMPPB Blocking Peptide (Center) - Images

GMPPB Blocking Peptide (Center) - References

Matthijs G.,et al.Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Muzny D.M.,et al.Nature 440:1194-1198(2006).

Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).

Van Damme P.,et al.Proc. Natl. Acad. Sci. U.S.A. 109:12449-12454(2012).