

PGM1 Blocking Peptide (Center)

Synthetic peptide

Catalog # BP21905c

Specification

PGM1 Blocking Peptide (Center) - Product Information

Primary Accession

[P36871](#)

Other Accession

[Q4R5E4](#), [Q9D0F9](#), [P00949](#), [P38652](#)**PGM1 Blocking Peptide (Center) - Additional Information**

Gene ID 5236

Other Names

Phosphoglucomutase-1, PGM 1, Glucose phosphomutase 1, PGM1

Target/Specificity

The synthetic peptide sequence is selected from aa 271-282 of HUMAN PGM1

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.

PGM1 Blocking Peptide (Center) - Protein Information

Name PGM1

Function

Catalyzes the reversible isomerization of alpha-D-glucose 1-phosphate to alpha-D-glucose 6-phosphate (PubMed: [15378030](http://www.uniprot.org/citations/15378030), PubMed: [25288802](http://www.uniprot.org/citations/25288802)). The mechanism proceeds via the intermediate compound alpha-D-glucose 1,6-bisphosphate (Probable) (PubMed: [25288802](http://www.uniprot.org/citations/25288802)). This enzyme participates in both the breakdown and synthesis of glucose (PubMed: [17924679](http://www.uniprot.org/citations/17924679), PubMed: [25288802](http://www.uniprot.org/citations/25288802)).

Cellular Location

[Isoform 1]: Cytoplasm.

PGM1 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

PGM1 Blocking Peptide (Center) - Images

PGM1 Blocking Peptide (Center) - Background

This enzyme participates in both the breakdown and synthesis of glucose.

PGM1 Blocking Peptide (Center) - References

Whitehouse D.B.,et al.Proc. Natl. Acad. Sci. U.S.A. 89:411-415(1992).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
Putt W.,et al.Biochem. J. 296:417-422(1993).