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PYGL Blocking Peptide (C-Term)
Synthetic peptide
Catalog # BP21847b

Specification

PYGL Blocking Peptide (C-Term) - Product Information

Primary Accession P06737

PYGL Blocking Peptide (C-Term) - Additional Information

Gene ID 5836

Other Names
Glycogen phosphorylase, liver form, PYGL

Target/Specificity
The synthetic peptide sequence is selected from aa 829-843 of HUMAN PYGL

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.

PYGL Blocking Peptide (C-Term) - Protein Information

Name PYGL (HGNC:9725)

Function
Allosteric enzyme that catalyzes the rate-limiting step in glycogen catabolism, the phosphorolytic cleavage of glycogen to produce glucose-1-phosphate, and plays a central role in maintaining cellular and organismal glucose homeostasis.

Cellular Location
Cytoplasm, cytosol.

PYGL Blocking Peptide (C-Term) - Protocols

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

- Blocking Peptides

PYGL Blocking Peptide (C-Term) - Images

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PYGL Blocking Peptide (C-Term) - Background

Phosphorylase is an important allosteric enzyme in carbohydrate metabolism. Enzymes from different sources differ in their regulatory mechanisms and in their natural substrates. However, all known phosphorylases share catalytic and structural properties.

PYGL Blocking Peptide (C-Term) - References

Newgard C.B.,et al.Proc. Natl. Acad. Sci. U.S.A. 83:8132-8136(1986).
Carty M.D.,et al.Submitted (MAY-1998) to the EMBL/GenBank/DDBJ databases.
Chang S.,et al.Hum. Mol. Genet. 7:865-870(1998).
Burwinkel B.,et al.Am. J. Hum. Genet. 62:785-791(1998).
Ota T.,et al.Nat. Genet. 36:40-45(2004).