

Recombinant Human PYGB Protein Product Manual

1. Product Basic Information

Product No.: REP07971

Protein Name: Glycogen Phosphorylase Phosphorylase, Glycogen (PYGB)

Aliases: glycogen phosphorylase phosphorylase, glycogen; brain; glycogen phosphorylase, brain form

UniProt ID: P11216

UniProt Link: <https://www.uniprot.org/uniprotkb/P11216/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (2-843aa(R61A,K192A))

Molecular Weight: 103.9 kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (2-843aa(R61A,K192A))

AKPLTDSEKRKQISVRGLAGLGDVAEVRKSFNRHLHFTLVKDRNVATPRDYFFALA
HTVADHLVGRWIRTQQHYERDPKRIYYLSLEFYMGRTLQNTMVNLGLQNACDEAI
YQLGLDLEELEEIEEDAGLGNGLGRLAACFLDSMATLGLAAYGYGIRYEFYFGIFNQKI
VNGWQVEEADDWLRYPGNPWEAARPEYMLPVHFYGRVEHTPDGVKWLDTQVVLA
MPYDTPVPGYKNNTVNTMRLWSAKAPNDFKLQDFNVGDYIEAVLDRNLAENISRVL
YPNDNFFEGKELRLKQEYFVVAATLQDIIRRFKSSKFGCRDPVRTCFETFPDKVAIQ
LNDTHPALSIPELMRILVDVEKVDWDKAWAITKKTCAVTNHTVLPEALERWPVSMFE
KLLPRHLEIIYAINQRHLDHVAALFPGDVEDRLRRMSVIEEGDCKRINMAHLCVIGSHA
VNGVARIHSEIVKQSVFKDFYEEPEKFKQKTNGITPRRWLLLCNPGLADTIVEKIGE
EFLTDLSQLKLLPLVSDEVFIRDVAKVKQENKLFSAFLEKEYKVKINPSSMFDVHV
KRIHEYKRQLLNCLHVVTLYNRIKRDPKAFVPRVTVMIGGKAAPGYHMAKLIKLVTSI
GDVVNHDPVVGDRKLVIFLENYRVSLAEKVIPAADLSQQISTAGTEASGTGNMKFML
NGALTIGTMDGANVEMAEEGAENLFIPLRVEDVEALDRKGYNAREYYDHLPELK
QAVDQISSGFFSPKEPDCFKDIVNMLMHHDRFKVFADYEAYMQCQAQVDQLYRNP
KEWTKKVIRNIACSGKFFSSDRTITEYAREIWGVPEPSDLQIPPPNIPRD



3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human PYGB full length of mature protein protein (2-843aa(R61A,K192A)) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. PYGB, also known as glycogen phosphorylase phosphorylase, glycogen or brain or glycogen phosphorylase, brain form, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.