

## PYGB Protein, Human, Recombinant (GST)

## General Information

Synonyms: PYGB;Glycogen phosphorylase, brain form;brain form

Protein Construction: 6-843 aa

Species: Human

Expression Host: E. coli

Accession: P11216

Molecular Weight: 123.2 kDa (predicted)

AA Sequence:

TDSEKRKQISVRGLAGLGDAEVRKSFNRHLHFTLVKDRNVATPRDYFFALAHTVRDHLVGRWIRTQQHYE  
RDPKRIYYLSLEFYMGRTLQNTMVNLGLQNACDEAIYQLGLDLEEEIEEDAGLNGGLGRLAACFLDSMAT  
LGLAAYGYGIRYEFIFNQKIVNGWQVEEADDWLRYGNPWEKARPEYMLPVHFGYGRVEHTPDGKWLDTQ  
VVLAMPYDTPVPGYKNNTVNTMRLWSAKAPNDFKLQDFNVGDYIEAVLDRNLAENISRVLYPNDNFFEGKE  
LRLKQEYFVVAATLQDIIRRFKSSKFGCRDPVRTCFETFPDKVAIQLNDTHPALSIPELMRILVDVEKVDWDKA  
WEITKKTCAYNHTVLPALERWPVSMFEKLLPRHLEIYAINQRHLDHVAALFPGDVDRLRRMSVIEEGDCKR  
INMAHLCVIGSHAVNGVARIHSEIVKQSVFKDFYELEPEKFNKNTGITPRRWLLLCNPGLADTIVEKIGEEFLT  
DLSQLKLLPLVSDEVFIRDVAKVKQENKLFSAFLEKEYKVKINPSSMFDVHVKRIHEYKRQLLNCLHVVTLY  
NRIKRDPAKAFVPRTVMIGGKAAPGYHMAKLIKLVTSIGDVVNHDPVVGDRKLVIFLENYRVSLAEKVIPAAD  
LSQQISTAGTEASGTGMKFMNLGALTIGTMDGANVEMAEAGAENLFIIFGLRVEDVEALDRKGYNAREYYD  
HLPKQAVDQISSGFFSPKEPDCFKDIVNMLMHDRFKVFADYEAYMQCQAQVDQLYRNPKEWTKKIVRN  
IACSGKFSSDRITIEYAREIWGVESDLQIPPPNIPRD

## QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 90% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

## Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Glycogen phosphorylase that regulates glycogen mobilization. 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481