

# Recombinant Human PYGL Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07972

**Protein Name:** Glycogen Phosphorylase Phosphorylase, Glycogen, Liver (PYGL)

**Aliases:** glycogen phosphorylase phosphorylase, glycogen, liver; glycogen phosphorylase, liver form

**UniProt ID:** P06737

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P06737/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** E.coli

**Protein Length:** Partial (2-846aa)

**Molecular Weight:** 123.9kDa

**Protein Tag:** N-terminal GST-tagged

## 2. Amino Acid Sequence (2-846aa)

AKPLTDQEKRRQISIRGIVGVENVAELKKSFNRLHFTLVKDRNVATTRDYYFALAH  
TVRDHLVGRWIRTQQHYDYKCPKRVYYLSLEFYMGRTLQNTMINLGLQNACDEAIY  
QLGLDIEELEEIEEDAGLGNGLGRLAACFLDSMATLGLAAYGYGIRYEYGIFNQKIR  
DGWQVEEADDWLRYPWEKSRPEFMLPVHFYKVEHTNTGTKWIDTQVVLALP  
YDTPVPGYMNNTVNTMRLWSARAPNDFNLRDFNVGDYIQAVLDRNLAENISRVLYP  
NDNFFEGKELRLKQEYFVVAATLQDIIRRFKASKFGSTRGAGTVFDFPDQVAIQLN  
DTHPALAIPELMRIFVDIEKLPWSKAWELTQKTFAYTNHTVLPEALERWPVDLVEKLL  
PRHLEIIEINQKHLDRIVALFPKDVDRRLRRMSLIEEEGSKRINMAHLCIVGSHAVNGV  
AKIHSDIVKTKVFKDFSELEPKFQNKTNGITPRRWLLLCNPGLAELIAEKIGEDYVK  
DLSQLTKLHSFLGDDVFLRELAKVKQENKLFKFSQFLETEYKVKINPSSMFDVQVKRI  
HEYKRQLLNCLHVITMYNRIKKDPKFLVPRTVIIGGKAAPGYHMAKMIKLTISVADV  
VNNDPMVGSKLKVFLENYRVSLAEKVIPATDLSEQISTAGTEASGTGNMKFMLNGA  
LTIGTMDGANVEMAEAGEENLFIGMRIDDVAALDKKGYEAKEYYEALPELKLVID  
QIDNGFFSPKQPDLFKDIINMLFYHDRFKVFADYEAYVKCQDKVSQLYMNPKAWNT  
MVLKNIAASGKFFSSDRTIKEYAQNIWNVEPSDLKISLSNESNKVNG



### 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 PYGL partial protein (2-846aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. PYGL, also known as glycogen phosphorylase phosphorylase, glycogen, liver or glycogen phosphorylase, liver 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.