

Recombinant Human PYGL Protein (2-846 aa), GST-tagged

Cat. No. PYGL-759H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PYGL Protein (2-846 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Research Area: Metabolism. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	2-846 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	123.9 kDa
AA Sequence	AKPLTDQEKRRQISIRGIVGVENV AELKKSFNRLHFTLVKDRNVATTRDYYFALAHT VRDHLVGRWIRTQQHYDYDKCPKRVYYLSLEFYMGRTLQNTMINLGLQNACDEAIYQ LGLDIEELEEEEDAGLGNGGLGRLAACFLDSMATLGAAAYGYGIRYEYGIFNQKIRD GWQVEEADDWLR YGNPWEKSRPEFMLPVHFGYKVEHTNTG TKWIDTQVVLALPYD TPVPGYMNNTVNTMRLWSARAPNDFNLRDFNVGDYIQAVLDRNLAENISRVLPND NFFEGKELRLKQEYFVVAATLQDIIRRFKASKFGSTRGAGTVFDAFPDQVAIQLNDTH

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PALAIPELMRIFVDIEKLPWSKAWELTQKTFAYTNHTVLPEALERWPVDLVEKLLPRH
LEIIYEINQKHLDRIVALFPKDVDRRLRRMSLIEEEGSKRINMAHLCIVGSHAVNGVAKIH
SDIVKTKVFKDFSELEPDKFQNKTNGITPRRWLLLCNPGLAELIAEKIGEDYVKDLSQL
TKLHSFLGDDVFLRELAKVKQENKLFKSQFLETEYKVKINPSSMFDVQVKRIHEYKR
QLLNCLHVITMYNRIKKDPKKLFVPRTVIIGGKAAPGYHMAKMIIKLITSVADVNNNDP
MVGSKLKVIFLENYRVSLAEKVIPATDLSEQISTAGTEASGTGNMKFMLNGALTIGTM
DGANVEMAEAEAGEENLFI FGMRIDDVAALDKKGYEAKEYYEALPELKLVIDQIDNGFF
SPKQPDLFKDIINMLFYHDFKVFADYEAYVKCQDKVSQLYMNPKAWNTMVLKNIAA
SGKFSSDRTIKEYAQNIWNVEPSDLKISLSNESNVNG

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name PYGL phosphorylase, glycogen, liver [Homo sapiens]

Official Symbol PYGL

Synonyms PYGL; liver; Hers disease; GSD6;

Gene ID 5836

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mRNA Refseq	NM_001163940
Protein Refseq	NP_001157412
MIM	613741
UniProt ID	P06737

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