

Recombinant Human PYGM Protein, His-tagged

Cat. No. PYGM-2647H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PYGM Protein (Arg11-Gly187) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Arg11-Gly187
Description	This gene encodes a muscle enzyme involved in glycogenolysis. Highly similar enzymes encoded by different genes are found in liver and brain. Mutations in this gene are associated with McArdle disease (myophosphorylase deficiency), a glycogen storage disease of muscle. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.7 kDa Accurate Molecular Mass: 26 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	PYGM phosphorylase, glycogen, muscle [Homo sapiens (human)]
Official Symbol	PYGM
Synonyms	PYGM; phosphorylase, glycogen, muscle; phosphorylase, glycogen; muscle; glycogen phosphorylase, muscle form; glycogen storage disease type V; McArdle syndrome; myophosphorylase;
Gene ID	5837
mRNA Refseq	NM_001164716
Protein Refseq	NP_001158188
MIM	608455

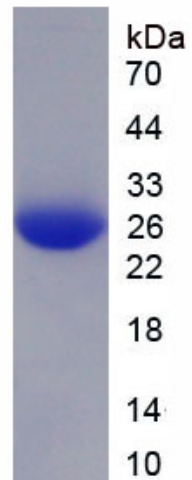
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UniProt ID

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