

Active Recombinant Rabbit Glycogen Phosphorylase

Cat. No. PYGM-01R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rabbit Glycogen Phosphorylase was expressed in E. coli.
Species	Rabbit
Source	E.coli
Description	Allosteric enzyme that catalyzes the rate-limiting step in glycogen catabolism, the phosphorolytic cleavage of glycogen to produce glucose-1-phosphate, and plays a central role in maintaining cellular and organismal glucose homeostasis.
Form	Light yellow lyophilized powder
Bio-activity	Specific Activity: > 10 U/mg Protein Activity: > 3 U/mg Solid
Purity	> 90 %
Storage	Store at -20 centigrade for at least 12 months.
CAS No.	9032-10-4
Unit Definition	One unit will form 1.0 μ mole of α -D-glucose 1-phosphate from glycogen and orthophosphate in the presence of 5'-AMP, per min at pH 6.8 at 30 centigrade measured in a system containing phosphoglucomutase, NADP, and glucose 6-phosphate dehydrogenase.

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EC No. 2.4.1.1

GENE INFORMATION

Gene Name PYGM glycogen phosphorylase, muscle associated [*Oryctolagus cuniculus* (rabbit)]

Official Symbol PYGM

Synonyms PYGM; phosphorylase, glycogen, muscle; glycogen phosphorylase, muscle form; myophosphorylase

Gene ID 100008972

mRNA Refseq NM_001082184

Protein Refseq NP_001075653

UniProt ID P00489

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