

Native Human PYGB Protein

Cat. No. PYGB-03H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native human PYGB protein purified from human heart tissue. Blood sample from the tissue donor was tested and found negative for HBsAg, HIV-1 and HIV-2 antibodies, and HCV.
Species	Human
Source	Heart
Description	The protein encoded by this gene is a glycogen phosphorylase found predominantly in the brain. The encoded protein forms homodimers which can associate into homotetramers, the enzymatically active form of glycogen phosphorylase. The activity of this enzyme is positively regulated by AMP and negatively regulated by ATP, ADP, and glucose-6-phosphate. This enzyme catalyzes the rate-determining step in glycogen degradation.
Purity	> 95% (SDS-PAGE)
Storage	At -20 centigrade(between -15 and -30 centigrade allowed)
Storage Buffer	Solution in 1 mM β -glycerophosphate, 1 mM EDTA, 15 mM ME, 0.5 M NaCl, pH 7.8, and 50 % glycerol.

GENE INFORMATION

Gene Name	PYGB glycogen phosphorylase B [Homo sapiens (human)]
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Official Symbol	PYGB
Synonyms	PYGB; glycogen phosphorylase B; GPBB; glycogen phosphorylase, brain form; phosphorylase, glycogen; brain; EC 2.4.1.1
Gene ID	5834
mRNA Refseq	NM_002862
Protein Refseq	NP_002853
MIM	138550
UniProt ID	P11216

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