

Recombinant Human PYGB protein, His & T7-tagged

Cat. No. PYGB-7817H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PYGB aa. (Pro477~Glu731 (Accession # P11216)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Pro477~Glu731
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.3kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 9.1.

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Applications	SDS-PAGE; WB; ELISA; IP
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

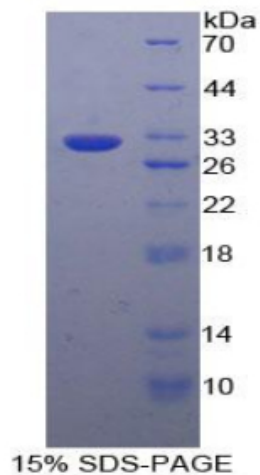
Gene Name	PYGB glycogen phosphorylase B [Homo sapiens (human)]
Official Symbol	PYGB
Synonyms	PYGB; glycogen phosphorylase B; GPBB; glycogen phosphorylase, brain form; phosphorylase, glycogen; brain
Gene ID	5834
mRNA Refseq	NM_002862.3
Protein Refseq	NP_002853.2
UniProt ID	P11216

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SDS-PAGE



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