

Recombinant Human PYGB Protein, His-tagged

Cat. No. PYGB-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Glycogen Phosphorylase Isoenzyme BB, brain specific (GPBB) / PYGB (Val650 - Asp843) with a N-terminal 6x histidine tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	650-843 a.a.
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	Lyophilized powder
Molecular Mass	22 kDa
Purity	> 95%
Applications	ELISA, Western blotting, Dot Blotting, Immunogen, Protein Array
Storage	Upon arrival, the lyophilized protein may be stored for 2 weeks at 4 centigrade. For

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long term storage, it is recommended to store desiccated below -20 centigrade in a manual defrost freezer. Following reconstitution, the protein may be stored for 2 weeks under sterile conditions at -20 centigrade. For long term storage, it is recommended to make appropriate aliquots and store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 1.2 mg/mL

Storage Buffer Lyophilized from a 0.2 µm filtered 50 mM Tris-HCl (pH 7.4) solution.

Reconstitution Briefly spin the vial and bring the contents to the bottom prior to opening. It is recommended to reconstitute at 0.1~ 1 mg/mL with sterile ice-cold deionized water or 1× Phosphate Buffered Saline (PBS). This solution can then be further diluted into other aqueous buffers.

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; EC 2.4.1.1

Gene ID 5834

mRNA Refseq NM_002862

Protein Refseq NP_002853

MIM 138550

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UniProt ID

P11216

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