

Recombinant Human PYGB Protein, N-His-tagged

Cat. No. PYGB-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PYGB Protein, fused to His at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Val650 - Asp843
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 from a 0.2 µm filtered 50 mM Tris-HCl (pH 7.4) solution with the protein concentration of 1.2 mg/mL.
Molecular Mass	22 kDa
Endotoxin	Not determined
Purity	> 95%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	ELISA, Western blotting, Dot Blotting, Immunogen, Protein Array
Storage	-20 centigrade
Shipping	Ice packs
Use/Stability	Upon arrival, the lyophilized protein may be stored for 2 weeks at 4 centigrade. For 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.
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 1X 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
Gene ID	5834
mRNA Refseq	NM_002862.4
Protein Refseq	NP_002853.2

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MIM	138550
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UniProt ID	P11216
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