

Recombinant Full Length Human PYGB Protein, C-Flag-tagged

Cat. No. PYGB-1653HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PYGB Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	96.5 kDa
AA Sequence	MAKPLTDSEKRKQISVRGLAGLDVAEVRKSFNRHLHFTLVKDRNVATPRDYFFALA HTVRDHLVGRWIR TQQHYERDPKRIYYLSLEFYMGRTLQNTMVNLGLQNACDEAI YQLGLDLEEEIEEDAGLGNGGLGRL AACFLDSMATLGLAAYGYGIRYEFQIFNQKI VNGWQVEEADDWLRYGNPWEEKARPEYMLPVHIFYGRVEHT PDGVKWLDTQVVLA MPYDTPVPGYKNNTVNTMRLWSAKAPNDFKLQDFNVGDYIEAVLDRNLAENISRVL YPNDNFFEGKELRLKQEYFVVAATLQDIIRRFKSSKFGCRDPVRTCFETFPDKVAIQL NDTHPALSIPEL MRILVDVEKVDWDKAWKITKTCAYTNHTVLPEALERWPVSMFEK

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LLPRHLEIYYAINQRHLDHVAALFP GDVDRLRRMSVIEEGDCKRINMAHLCVIGSHAV
 NGVARIHSEIVKQSVFKDFEYEEPEKFQNKTNGITPR RWLLLCNPGLADTIVEKIGEE
 FLTDLSQLKKLLPLVSDEVFIRDVAKVKQENKLKFSAFLEKEYKVKINP SSMFDVHVK
 RIHEYKRQLLNCLHVVTLYNRIKRDPKAFVPRTVMIGGKAAPGYHMAKLIKLVTSIG
 DV VNHDPPVVGDRLLKVFLENYRVSLAEKVIPAADLSQQISTAGTEASGTGNMKFMLN
 GALTIGTMDGANVEM AEEAGAENLFIFGLRVEDVEALDRKGYNAREYYDHLPELKQ
 AVDQISSGFFSPKEPDCFKDIVNMLMHHD RFKVFADYEAYMQCQAQVDQLYRNP
 EWTKKVIRNIACSGKFSSDRTITEYAREIWGVEPSDLQIPPPNI
 PRDSGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Insulin signaling pathway, Starch and sucrose metabolism
Full Length	Full L.

GENE INFORMATION

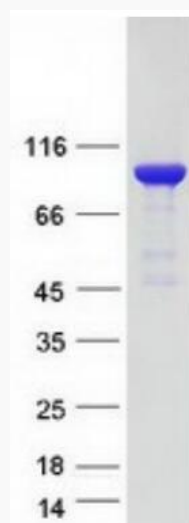
Gene Name PYGB glycogen phosphorylase B [Homo sapiens (human)]

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Official Symbol	PYGB
Synonyms	GPBB
Gene ID	5834
mRNA Refseq	NM_002862.4
Protein Refseq	NP_002853.2
MIM	138550
UniProt ID	P11216



Coomassie blue staining of purified PYGB protein.