

Recombinant Human PYGB Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PYGB-2857H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PYGB MS Standard C13 and N15-labeled recombinant protein (NP_002853) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	96.7 kDa
AA Sequence	MAKPLTDSEKRKQISVRGLAGLDVAEVRKSFNRHLHFTLVKDRNVATPRDYFFALA HTVRDHLVGRWIRTQQHYERDPKRIYYLSLEFYMGRTLQNTMVNLGLQNACDEAI YQLGLDLEELLEEIEEDAGLGNGGLGRLAACFLDSMATLGLAAYGYGIRYEFQIFNQKI VNGWQVEEADDWLRYGNPWEEKARPEYMLPVHVFYGRVEHTPDGVKWLDTQVVLA MPYDTPVPGYKNNTVNTMRLWSAKAPNDFKLQDFNVGDYIEAVLDRNLAENISRVL YPNDNFFEGKELRLKQEYFVVAATLQDIIRRFKSSKFGCRDPVRTCFETFPDKVAIQL NDTHPALSIPELMRILVDVEKVDWDKAWKITKKTCAYTNHTVLPEALERWPVSMFEK

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LLPRHLEIYAINQRHLDHVAALFPGDVDRLLRRMSVIEEGDCKRINMAHLCVIGSHAV
 NGVARIHSEIVKQSVFKDFYELEPEKFQNKTNGITPRRWLLLCNPLADTIVEKIGEEF
 LTDLSQLKKLLPLVSDEVFIRDVAKVKQENCLKFSAFLEKEYKVKINPSSMFDVHVKRI
 HEYKRQLLNCLHVVTLYNRIKRDPKAFVPRTVMIGGKAAPGYHMAKLIKLVTSIGD
 VVNHDPVVGDRCLKVIFLENYRVSLAEKVIPAADLSQQISTAGTEASGTGNMKFMLNG
 ALTIGTMDGANVEMAEAGAENLFIFGLRVEDVEALDRKGYNAREYYDHLPELKQAV
 DQISSGFFSPKEPDCFKDIVNMLMHDRFKVFADYEAYMQCQAQVDQLYRNPKEW
 TKKVIRNIACSGKFSSDRTITEYAREIWGVEPSDLQIPPNIPRDSGPTRTRPLEQKLI
 SEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PYGB glycogen phosphorylase B [Homo sapiens (human)]
Official Symbol	PYGB
Synonyms	PYGB; phosphorylase, glycogen; brain; glycogen phosphorylase, brain form; glycogen phosphorylase B; GPBB; MGC9213;
Gene ID	5834

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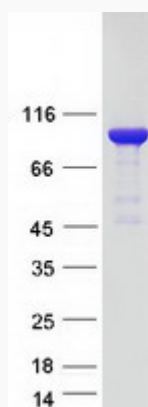
mRNA Refseq NM_002862

Protein Refseq NP_002853

MIM 138550

UniProt ID P11216

SDS-PAGE



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