

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 YQLGLDLEELEEIEEDAGLGNGGLGRLAACFLDSMATLGLAAYGYGIRYEFQIFNQKI VNGWQVEEADDWLRYGNPWEEKARPEYMLPVHIFYGRVEHTPDGVKWLDTQVVLA MPYDTPVPGYKNNTVNTMRLWSAKAPNDFKLQDFNVGDYIEAVLDRNLAENISRVL YPNDNFFEGKELRLKQEYFVVAATLQDIIRRFKSSKFGCRDPVRTCFETFPDKVAIQL NDTHPALSIPELMRILVDVEKVDWDKAWKITKKTCAYTNHTVLPEALERWPVSMFEK

 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

LLPRHLEIYAINQRHLDHVAALFPGDVDRLRRMSVIEEGDCKRINMAHLCVIGSHAV
 NGVARIHSEIVKQSVFKDFYELEPEKFQNKTNGITPRRWLLLCNPLGLADTIVEKIGEEF
 LTDLSQLKKLLPLVSDEVFIRDVAKVKQENCLKFSAFLEKEYKVKINPSSMFDVHVKRI
 HEYKRQLLNCLHVVTLYNRIKRDPKAFVPRTVMIGGKAAPGYHMAKLIKLVTSGD
 VVNHDPPVGDRLKVIFLENYRVSLAEKVIPAADLSQQISTAGTEASGTGNMKFMLNG
 ALTIGTMDGANVEMAEAGAENLFIFGLRVEDVEALDRKGYNAREYYDHLPELKQAV
 DQISSGFFSPKEPDCFKDIVNMLMHDRFKVFADYEAYMQCQAQVDQLYRNPKEW
 TKKVIRNIACSGKFSSDRTITEYAREIWGVEPSDLQIPPPNIPRDSGPTRTRPLEQKLI
 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

 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

mRNA Refseq	NM_002862
Protein Refseq	NP_002853
MIM	138550
UniProt ID	P11216

 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