

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

Cat. No. PYGM-1281HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PYGM Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a muscle enzyme involved in glycogenolysis. Highly similar enzymes encoded by different genes are found in liver and brain. Mutations in this gene are associated with McArdle disease (myophosphorylase deficiency), a glycogen storage disease of muscle. Alternative splicing results in multiple transcript variants.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	96.9 kDa
AA Sequence	MSRPLSDQEKRKQISVRGLAGVENVTTELKKNFNRHLHFTLVKDRNVATPRDYFFAL AHTVRDHLVGRWIR TQQHYEYKDPKRIYYLSLEFYMGRTLQNTMVNLALLENACDEA TYQLGLDMEELEEIEEDAGLGNGGLGRL AACFLDSMATLGLAAYGYGIRYEFQIFNQ KISGGWQMEEADDWLRYGNPWEEKARPEFTLPVHFYGHVEHT SQGAKWVDVTQVVL AMPYDTPVPGYRNNVVNTMRLWSAKAPNDFNLKDFNVGGYIQAFLDRNLAENISRV L YPNDNFFEGKELRLKQEYFVVAATLQDIIRRFKSSKFGCRDPVRTNFDAFPDKVAI QLNDTHPSLAPEL MRILVDLERMDWDKAWDVTVRTCAYTNHTVLPEALERWPVHL LETLLPRHLQIIYEINQRFLNRVAAAFP GDVDRLRRMSLVEEGAVKRINMAHLCIAGS

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HAVNGVARIHSEILKKTIFKDFYELEPHKFQNKTNGITPR RWLVLCNPGLAEVIAERIG
EDFISDLQRLKLLSFVDDEAFIRDVAKVKQENKLKFAAYLEREYKVHINP NSLFDIQ
VKRIHEYKRQLLNCLHVITLYNRIKREPKNKFFVPRTVMIGGKAAPGYHMAKMIIRLVTA
IGDV VNHDPAVGDRLRVIFLENYRVSLAEKVIPAADLSEQISTAGTEASGTGNMKFM
LNGALTIGTMDGANVEM AEEAGEENFFIFGMRVEDVDKLDQRGYNAQEYYDRIPEL
RQVIEQLSSGFFSPKQPDLFKDIVNMLMHHD RFKVFADYEDYIKCQEKVSALYKNPR
EWTRMVIRNIATSGKFSSDRTIAQYAREIWGVEPSRQRLPAPDE
AITRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

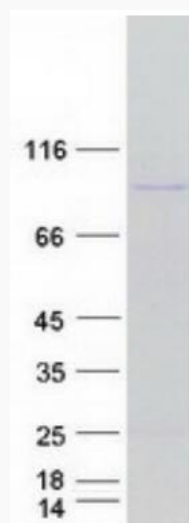
Gene Name	PYGM glycogen phosphorylase, muscle associated [Homo sapiens (human)]
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Official Symbol	PYGM
Synonyms	GSD5
Gene ID	5837
mRNA Refseq	NM_005609.4
Protein Refseq	NP_005600.1
MIM	608455
UniProt ID	P11217



Coomassie blue staining of purified PYGM protein.