

Product datasheet for **TP328572M**

PYGM (NM_001164716) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human phosphorylase, glycogen, muscle (PYGM), transcript variant 2, 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC228572 representing NM_001164716
Red=Cloning site **Green**=Tags(s)

MSRPLSDQEKRKQISVRGLAGVENVTELKKNFNRLHFTLVKDRNVATPRDYFALAHTVRDHLVGRWIR
TQQHYEKDPKKISGGWQMEEADDWLRYGNPWEKARPEFTLPVHFYGHVEHTSQGAKWVDTQVVLAMPYD
TPVPGYRNNVNTMRLWSAKAPNDFNLKDFNVGGYIQAVLDRNLAENISRVLYPNDNFFEGKELRLKQEY
FVAATLQDIIRRFKSSKFGCRDPVRTNFDAFPDKVAIQLNDRTHPSLAPELMRILVDLERMDWDKAWDV
TVRTCAYTNHTVLPALERWPVHLLTLLPRHLQIIEINQRFLNRVAAAFPGDVDRLRMSLVEEGAVK
RINMAHLCIAGSHAVNGVARIHSEILKKTIFKDFYELEPHKFQNKTNGITPRRWLVLCNPGLAEVIAERI
GEDFISDLQLRKLLSFVDDEAFIRDVAKVKQENKLFKFAAYLREYKVVHINPNSLFDIQVKRIHEYKRQL
LNCLHVITLYNRIKREPKNFFVPRVTMIGGKAAPGYHMAKMIIRLVTAIGDVVNHDPVAGDRLRVIFLEN
YRVSLAEKVIPAADLSEQISTAGTEASGTGNMKFMLNGALTIGTMDGANVEMAEAEAGEENFFIFGMRVED
VDKLDQRGYNAQEYDRIPELRQVIEQLSSGFFSPKQPDLFKDIVNMLMHHDRFKVFADYEDYIKCQEKV
SALYKNPREWTRMIRNIATSGKFSSDRTIAQYAREIWGVPSRQRLPAPDEAI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

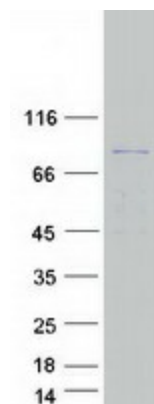
Tag: C-Myc/DDK
Predicted MW: 87.1 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation: NULL or Add: Recombinant proteins was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



[View online »](#)

Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001158188
Locus ID:	5837
UniProt ID:	P11217
Cytogenetics:	11q13.1
RefSeq ORF:	2262
Synonyms:	GSD5
Summary:	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.[provided by RefSeq, Sep 2009]
Protein Families:	Druggable Genome
Protein Pathways:	Insulin signaling pathway, Starch and sucrose metabolism

Product images:



Coomassie blue staining of purified PYGM protein (Cat# [TP328572]). The protein was produced from HEK293T cells transfected with PYGM cDNA clone (Cat# [RC228572]) using MegaTran 2.0 (Cat# [TT210002]).