

Recombinant Mouse Pygl Protein, His-tagged

Cat. No. Pygl-2009M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Pygl Protein (Thr603-Phe750) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Thr603-Phe750
Description	Enables glycogen phosphorylase activity. Acts upstream of or within glycogen metabolic process; necroptotic process; and response to bacterium. Predicted to be active in cytoplasm. Is expressed in several structures, including alimentary system; central nervous system; cranium; sensory organ; and urinary system. Used to study glycogen storage disease VI. Human ortholog(s) of this gene implicated in glycogen storage disease; glycogen storage disease VI; and lactic acidosis. Orthologous to human PYGL (glycogen phosphorylase L).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.2 kDa Accurate Molecular Mass: 20/18 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

 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

Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

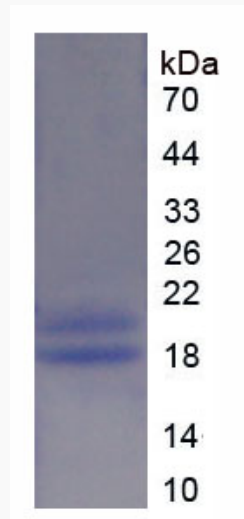
GENE INFORMATION

Gene Name	Pygl liver glycogen phosphorylase [<i>Mus musculus</i> (house mouse)]
Official Symbol	Pygl
Synonyms	PYGL; liver glycogen phosphorylase; glycogen phosphorylase, liver form;
Gene ID	110095
mRNA Refseq	NM_133198
Protein Refseq	NP_573461
UniProt ID	Q9ET01

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