

Glycogen Phosphorylase, Muscle (PYGM) Recombinant Protein | PYGM recombinant protein

Recombinant Glycogen Phosphorylase, Muscle (PYGM)

CATALOG # AAA134557	HOST E Coli	APPLICATIONS Immunoprecipitation, Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Glycogen Phosphorylase; Muscle (PYGM); Recombinant Glycogen Phosphorylase; PYGM recombinant protein

PRODUCT SPECIFICATIONS

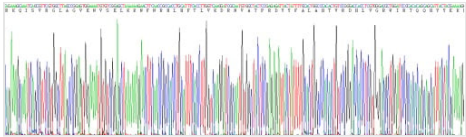
Host	E Coli
Purity/Purification	>98%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Sequence	Thetargetp roteinisfu sedwithN-t erminalHis -Tag,itsse quenceisli stedbelow. MGHHHH HHSGSEF-RK QISVRGLAGV ENVSELKKNF NRHLHFTLVK DRNVATPRDY YFALAHTVRD HLVGRWIRTQ QHYEYKDPKR IYYLSLEFYM GRTLQNTMVN LALENACDEA TYQLGLDMEE LEEIEEDAGL GNGGLRLAA CFLDSMATLG LAAYGYGIRY EFGIFNQKIC GGWQMEEADD WLYYG
Sequence Length	842
Applicable Applications for PYGM recombinant protein	IP (Colmunoprecipitation), IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Mus musculus (Mouse)
Expression System	Prokaryotic expression
Residues	Arg11~Gly187 with N-terminal His-Tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Predicted isoelectric point	6.0
Predicted Molecular Mass	21.7kDa
Accurate Molecular Mass	26kDa as determined by SDS-PAGE reducing conditions.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL. Do not vortex.
Tissue Specificity	Skeletal Muscle, Brain, Heart, Kidney.
Traits	Freeze-dried powder
Note	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affect the charge of the protein. 3. Post-translational modification:Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.

Preparation and Storage

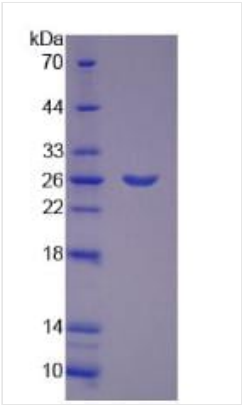
Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Application Data



SDS-PAGE

RKQISVRGLA GVENVSELKK NFNRLHFTL VKDRNVATPR
DYYFALAHTV RDHLVGRWIR TQHHYVEKDP KRIYYLSLEF YMGRTLQNTM
VNLALENACD EATYQLGLDM EEELEEIEDA GLGNGGLGRL AACFLDSMAT
LGLAAYGYGI RYEFGIFNQK ICGGWQMEEA DDWLRYG

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	6755256
NCBI GeneID	19309
NCBI Accession #	NP_035354.1
NCBI GenBank Nucleotide #	NM_011224.1
UniProt Accession #	Q9WUB3
Molecular Weight	Predicted Molecular Weight: 22.0kDa Accurate Molecular Mass: 26kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	glycogen phosphorylase, muscle form
NCBI Official Synonym Full Names	muscle glycogen phosphorylase
NCBI Official Symbol	Pygm
NCBI Official Synonym Symbols	PG; AI115133
NCBI Protein Information	glycogen phosphorylase, muscle form; myophosphorylase
UniProt Protein Name	Glycogen phosphorylase, muscle form
UniProt Gene Name	Pygm
UniProt Entry Name	PYGM_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

