

Recombinant Human PGP Protein, His-tagged

Cat. No. PGP-2586H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PGP Protein (Thr1023-Gln1280) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Thr1023-Gln1280
Description	Enables glycerol-3-phosphatase activity and phosphoglycolate phosphatase activity. Involved in glycerol biosynthetic process; glycerophospholipid metabolic process; and negative regulation of gluconeogenesis. Predicted to be active in cytoplasm.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.9 kDa Accurate Molecular Mass: 32 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

PGP phosphoglycolate phosphatase [Homo sapiens (human)]

Official Symbol

PGP

Synonyms

PGP; phosphoglycolate phosphatase; PGPase; MGC4692;

Gene ID

283871

mRNA Refseq

NM_001042371

Protein Refseq

NP_001035830

MIM

172280

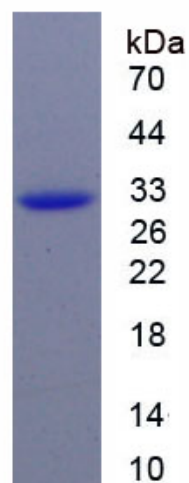
UniProt ID

A6NDG6

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