

Recombinant Human PGP, His-tagged

Cat. No. PGP-7528H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PGP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-321aa
Antigen Description	Phosphoglycolate phosphatase, also known as PGP, is detected in all tissues including red cells, lymphocytes and cultured fibroblasts (at protein level). The catalytic activity of PGP is 2-phosphoglycolate + H ₂ O = glycolate + phosphate. The highest activities occur in skeletal muscle and cardiac muscle.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	36.5 kDa (345aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSSLVPRGSH MGSMAAAEA GGDDARCVRL SAERAQALLA DVTLLFDCD GVLWRGETAV PGAPEALRAL RARGKRLGFI TNNSSKTRAA YAEKLRRLLGF GGPAGPGASL EVFGTAYCTA LYLRQRLAGA PPKAYVLGS PALAAELEAV GVASVGVGPE PLQGEPPGDW LHAPLEPDVR AVVVGFDPHF SYMKLTALR YLQQPGCLLV GTNMDNRLPL ENGRFIAGTG CLVRAVEMAA QRQADIIGKP SRFIFDCVSQ EYGINPERTV MVGDRLDTDI LLGATCGLKT

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ILTLTGVSTL GDVKNNQESD CVSKKKMVPD FYVDSIADLL PALQG

Purity >95 % as determined by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml

GENE INFORMATION

Gene Name [PGP phosphoglycolate phosphatase \[Homo sapiens \]](#)

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](#)

Chromosome Location 16p13.3

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Pathway

Glyoxylate and dicarboxylate metabolism, organism-specific biosystem; Glyoxylate and dicarboxylate metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;

Function

hydrolase activity; phosphoglycolate phosphatase activity;

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