

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 SGLVPRGSH MGSMAAAEA GGDDARCVRL SAERAQALLA DVTLLFDCD GVLWRGETAV PGAPEALRAL RARGKRLGFI TNNSSKTRAA YAEKLRRLLGF GGPAGPGASL EVFGTAYCTA LYLRQRLAGA PAPKAYVLGS PALAAELEAV GVASVGVGPE PLQGE GPGDW LHAPLEPDVR AVVVGFDPHF SYMKLTKALR 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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