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 + H2O = 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 SSGLVPRGSH MGSHMAAAEA GGDDARCVRL SAERAQALLA DVDTLLFDCD GVLWRGETAV PGAPEALRAL RARGKRLGFI TNNSSKTRAA YAEKLRRLGF GGPAGPGASL EVFGTAYCTA LYLRQRLAGA PAPKAYVLGS PALAAELEAV GVASVGVGPE PLQGEGPGDW 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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