

Human PGP Recombinant Protein



RPPB2105

Product Information Protein Information

Product SKU:

RPPB2105

Accession:

A6NDG6

Host:

Escherichia Coli.

Protein description:

PGP Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 345 amino acids (1-321a.a) and having a molecular mass of 36.5kDa.PGP is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Glycerol-3-phosphate phosphatase, G3PP, Aspartate-based ubiquitous Mg(2+)-dependent phosphatase, AUM, Phosphoglycolate phosphatase, PGP.

Formulation:

PGP protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT..

Purity:

Greater than 95% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MGSSHHHHHH SGLVPRGSH MGSMAAAEA GGDDARCVRL SAERAQALLA DVDTLLFDCD GVLWRGETAV
PGAPEALRAL RARGKRLGFI TNSSKTRAA YAEKLRRLLGF GGPAGPGASL EVFGTAYCTA LYLRQLAGA
PAPKAYVLGS PALAAELEAV GVASVGVGPE PLQEGPGDW LHAPLEPDVR AVVVGFDPHF SYMKLTKALR
YLQQPGCLLV GTNMDNRLPL ENGRFIAGTG CLVRAVEMAA QRQADIIGKP SRFIFDCVSQ EYGINPERTV
MVGDRDLTDI LLGATCGLKT ILTLTGVSTL GDVKNNQESD CVSKKKMVPD FYVDSIADLL PALQG.

Biological Activity:

Specific activity is > 3,000 units/mg, and is defined as the amount of enzyme that hydrolyze 1.0 nmole of p-nitrophenyl phosphate (pNPP) per minute at pH 7.5 at 37C.