

Recombinant human PGP protein

Basic Information

Catalog Number:	Ag33116	Peptide Sequence:
Form:	Available lyophilized	MAAAEEAGGDDARCVRLSAERAQALLADVDTLLFCD
Species:	human	GVLWRGETAVPGAPEALRALRARGKRLGFITNNSSKT
Expression Source:	<i>e coli</i> -derived, PET28a, with N-terminal 6 ^{His} .	RAAYAEKLLRLGFGGPAGPGASLEVFGTAYCTALYR
Biological Activity:	Not tested	QRLAGAPAPKAYVLGSPALAAELEAVGVASVGVGPE
Endotoxin Level:	Please contact the lab for more information	PLQGEGPGDWLHAPLEPDVRAVVGFDPHFSYMKLT
		KALRYLQQPGCLLVTGNMDNRLPLENGRFIAVTGCLV
		RAVEMAAQRQADIIKPSRFIFDCVSQEYGINPERTV
		MVGDRLLTDILLGATCGLKTILTLGVSTLGDVKNNQE
		SDCVSKKKMVPDFYVDSIADLLPALQG
		(1-321 aa encoded by NM_001042371)

Reconstitution and Storage

Reconstitution:
Reconstitute at 0.25 µg/ µl in 200 µl sterile water for short-term storage.
After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage (see Stability and Storage for more details).
If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).
Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

Shipping:
The product is shipped at ambient temperature.
Upon receipt, store it immediately at the recommended temperature (see below).

Purity

85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

Formulation

The purified protein was Lyophilized from sterile PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.

Stability and Storage

Storage of Reconstituted Protein

Short Term Storage:
Store at 2-8°C for (1-2 weeks).
Long Term Storage:
Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution.
Avoid repeat freeze-thaw cycles.

Selected Validation Data

