# Recombinant Human PAP protein (His Tag)

**Catalog Number: PDEH100831**

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

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|---|---|
| **Species** | Human |
| **Source** | E.coli-derived Human PAP protein Asn40-Lys491, with an N-terminal His |
| **Calculated MW** | 49.6 kDa |
| **Observed MW** | 50 kDa |
| **Accession** | P08697 |
| **Bio-activity** | Not validated for activity |

## Properties

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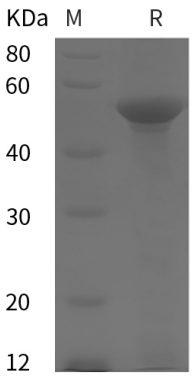
|---|---|
| **Purity** | > 95% as determined by reducing SDS-PAGE. |
| **Endotoxin** | < 10 EU/mg of the protein as determined by the LAL method |
| **Storage** | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months. |
| **Shipping** | This product is provided as lyophilized powder which is shipped with ice packs. |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol. |
| **Reconstitution** | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis. |

## Data




> 95 % as determined by reducing SDS-PAGE.

## Background

Human PAP, also known as 28 kDa heat-and acid-stable phosphoprotein, PDGF-associated protein, PDGFA-associated protein 1, PDAP1, HASPP28, is a protein which belongs to the PDAP1 family. The encoded protein in rodents has been shown to bind PDGFA with a low affinity. PDGF-Associated Protein (PAP) is a phosphoprotein that may enhance PDGFA-stimulated cell growth in fibroblasts, but inhibits the mitogenic effect of PDGFB. PDAP1 expression is induced by TNF-alpha, and cells overexpressing PDAP1 show significantly less apoptosis on exposure to TNF-alpha.