

AR51132PU-S**Human PIP / GCDFP15 (29-146, His-tag) - Purified****Alternate names:**

GCDFP-15, GPIP4, Gross cystic disease fluid protein 15, Prolactin-induced protein, Prolactin-inducible protein, SABP, Secretory actin-binding protein, gp17

Quantity:

0.1 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

Prolactin-inducible protein, also known as PIP, is a major protein component of benign breast gross cysts. It is a known marker of breast cancer, as it is found in approximately 50% of all breast cancer specimens. It is expressed in exocrine glands and, in pathologic conditions, in breast cysts and breast cancers exhibiting apocrine features. PIP and prostate specific antigen are co-expressed in androgen receptor-positive breast tumours.

Uniprot ID:

[P12273](#)

NCBI:

[NP_002643](#)

GeneID:

[5304](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Description:

Recombinant human PIP protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSQDNTRKI IIKNFDIPKS VRPNDEVTA V LAVQTELKEC
MVKTYLISS IPLQGAFFNYK YTACLDDNP KTFYWDFTN RTVQIAAVVD VIRELGICPD
DAAVPIKNN RFYTIEILKV E

Molecular weight: 15.9 kDa (141aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Mazoujian G., et al. (1983) J Pathol. 110:105-112.

Pictures:

