

For Research Use Only

Recombinant Human PIP protein (rFc Tag)



Catalog Number: Eg3018

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Human PIP protein Gln29-Glu146 (Accession# P12273) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
5304

Accession:
P12273

Predicted Molecular Mass:
39.5 kDa

SDS-PAGE:
40-48 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

GCDFP-15 (gross cystic disease fluid protein 15), also known as PIP (prolactin-induced protein) is a secretory glycoprotein expressed in benign and malignant breast tumor tissues and in some normal exocrine organs such as sweat, salivary, and lacrimal glands. GCDFP-15 expression is increased by prolactin and androgen and inhibited by estrogen. The expression is also regulated by interleukins. GCDFP-15 is a marker of apocrine differentiation and is frequently used for assessment of metastases or regional recurrences of breast origin.

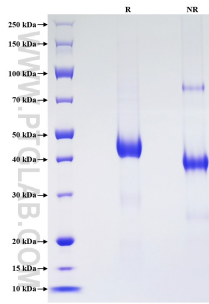
References

1. Ciullo, Marina et al. Human molecular genetics vol. 11,23 (2002): 2887-94.
2. Hassan, Md I et al. Cellular and molecular life sciences : CMLS vol. 66,3 (2009): 447-59.

Synonyms

GCDFP15, GCDFP-15, gp17, GPI4, prolactin induced protein

Selected Validation Data



Purity of Recombinant Human PIP was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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