

For Research Use Only

# Recombinant Human PTGFRN/CD315 protein (rFc Tag)



Catalog Number: Eg5010

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/  $\mu$ g protein, LAL method

**Source:**

HEK293-derived Human PTGFRN protein Val26-Pro832 (Accession# Q9P2B2) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**

5738

**Accession:**

Q9P2B2

**Predicted Molecular Mass:**

116.7 kDa

**SDS-PAGE:**

120-150 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22  $\mu$ 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

PTGFRN (Prostaglandin F2 Receptor Negative Regulator), also known as CD315, is a trans-membrane protein that modulates prostaglandin F2  $\alpha$  signaling and links the tetraspanin web to the cytoskeleton, it is now recognized as a driver of metastasis; high expression correlates with aggressive proliferation, migration, and spheroid growth in epidermoid carcinoma, medulloblastoma, and mesothelioma, while silencing PTGFRN impairs these traits and disrupts autophagy.

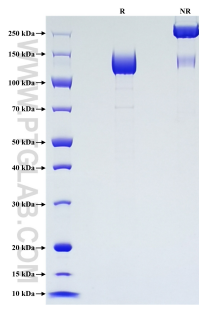
## References

- 1.Orlicky, D J et al. Human genetics vol. 97,5 (1996): 655-8.
- 2.Aguila, Brittany et al. Cancer letters vol. 462 (2019): 33-42.
- 3.Marquez, Jorge et al. Journal of cellular biochemistry vol. 125,8 (2024): e30616.

## Synonyms

PTGFRN, CD315, EWIF, FPRP, KIAA1436

## Selected Validation Data



Purity of Recombinant Human PTGFRN 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

T: 027-87531629

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.