

For Research Use Only

Recombinant Mouse PTGFRN/CD315 protein (C-rFc)



Catalog Number: Eg6319

Basic Information

Species:
Mouse

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 Mouse PTGFRN protein Arg22-Pro832 (Accession# Q9WV91) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

19221

Accession:

Q9WV91

Predicted Molecular Mass:

117.7 kDa

SDS-PAGE:

120-150 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

PTGFRN (Prostaglandin F2 Receptor Negative Regulator), also known as CD315, is a trans-membrane protein that modulates prostaglandin F2 α 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.

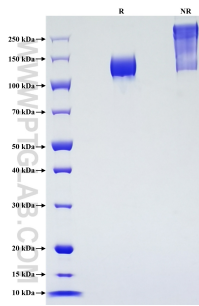
References

- 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

CD315, CD9 partner 1, CD9P-1, EWI-F, Fprp

Selected Validation Data



Purity of Recombinant Mouse 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

W: ptgcn.com

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