

For Research Use Only

Recombinant Human PIGR protein (rFc Tag)



Catalog Number: Eg6497

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 PIGR protein Lys19-Arg638 (Accession# P01833) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

5284

Accession:

P01833

Predicted Molecular Mass:

93.4 kDa

SDS-PAGE:

90-125 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

The polymeric immunoglobulin receptor (PIGR), an integral membrane protein, is required for transcytosis of polymeric immunoglobulins (pIg) including IgA and IgM across mucosal epithelial cells. PIGR is expressed on the basolateral surface of ciliated epithelial cells in the mucosal epithelium. Upregulation of pIgR expression has been well documented with a variety of proinflammatory cytokines such as IFN- γ and IL-1 α .

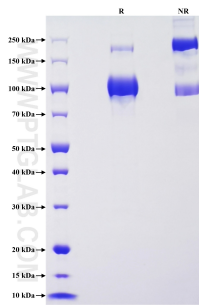
References

1. Zhang, J R et al. Cell vol. 102,6 (2000): 827-37.
2. Turula H, Wobus CE. Viruses. (2018);10(5):237.
3. Wei H, Wang JY. Int J Mol Sci. (2021);22(5):2284.

Synonyms

Hepatocellular carcinoma-associated protein TB6, Poly Ig receptor, Poly-Ig receptor, Secretory component

Selected Validation Data



Purity of Recombinant Human PI3R 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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