

For Research Use Only

Recombinant Human GLP1R protein (rFc Tag)



Catalog Number: Eg4678

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/μg protein, LAL method

Source:

HEK293-derived Human GLP1R protein Arg24-Glu139 (Accession# P43220) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

2740

Accession:

P43220

Predicted Molecular Mass:

39.1 kDa

SDS-PAGE:

45-60 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μm 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

GLP1R (glucagon-like peptide-1 receptor) is a G protein-coupled receptor belonging to the secretin receptor super-family, also known as class B. GLP1R is widely distributed in pancreatic islets, muscles, gastrointestinal tract, lung, liver, pancreas, and other tissues or organs. Moreover, GLP1R agonist has been reported to induce autophagy of endometrial carcinoma cells, and high GLP1R expression may be associated with good prognosis of endometrial carcinoma patients, suggesting that GLP1R is likely to participate in the progression of endometrial carcinoma.

References

1. Ranka Kanda, et al. (2018) BMC Cancer. 18(1):657.
2. Julia Ast, et al. (2021) EBioMedicine. 74:103739.
3. Wu Li, et al. (2022) J Clin Lab Anal. 36(10):e24604.

Synonyms

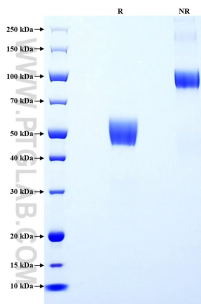
GLP1R, GLP 1 R, GLP 1 receptor, GLP 1R, GLP-1 receptor

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

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Selected Validation Data



Purity of Recombinant Human GLP1R 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.