

For Research Use Only

Recombinant Human GHR protein (rFc Tag)



Catalog Number: Eg3027

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<1.0 EU/μg protein, LAL method

Source:

HEK293-derived Human GHR protein Ala27-Tyr264 (Accession# P10912-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

2690

Accession:

P10912-1

Predicted Molecular Mass:

53.2 kDa

SDS-PAGE:

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

GH is a peptide hormone with many pleiotropic actions, including the regulation of metabolism, postnatal growth, cognition, immune, cardiac and renal systems and gut function. GH receptor (GHR) is a member of the cytokine receptor family. GHR is widely expressed and is detected as early as in a two-cell embryo stage. Mutations in GHR gene have been associated with Laron syndrome, also known as the GH insensitivity syndrome (GHIS), a disorder characterized by short stature

References

1. Waters, Michael J. Growth hormone & IGF research : official journal of the Growth Hormone Research Society and
2. Guevara-Aguirre, Jaime et al. Growth hormone & IGF research : official journal of the Growth Hormone Research Society
3. Yan, Hong-Zhu et al. Journal of cellular and molecular medicine vol. 25,5 (2021): 2450-2458.

Synonyms

GH binding protein, GH receptor, GHBP, Growth hormone-binding protein, Serum binding protein

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

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Selected Validation Data