

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:**

<0.1 EU/  $\mu$ g 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:**

60-85 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

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

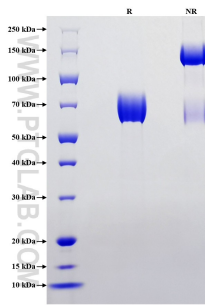
## References

1. Waters, Michael J. Growth hormone & IGF research : official journal of the Growth Hormone Research Society an
2. Guevara-Aguirre, Jaime et al. Growth hormone & IGF research : official journal of the Growth Hormone Research
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

## Selected Validation Data



Purity of Recombinant Human GHR 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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