

# Recombinant Human Growth hormone receptor/GHR Protein

Catalog No.: RP00251 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	2690	P10912

### Tags

C-hFc&His

### Synonyms

GHR;GHBP;GHIP

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

### Endotoxin

< 0.01 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Background

### Basic Information

#### Description

Recombinant Human Growth hormone receptor/GHR Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Ala 27 - Tyr 264 ) of human Growth Hormone Receptor (GHR) (Accession #NP\_000154.1) fused with an Fc, 6xHis tag at the C-terminus.

#### Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human GH at 2 μg/mL (100 μL/well) can bind Human GHR with a linear range of 0.1-8.58 ng/mL.

#### Storage

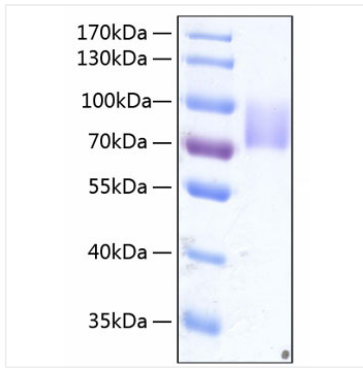
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

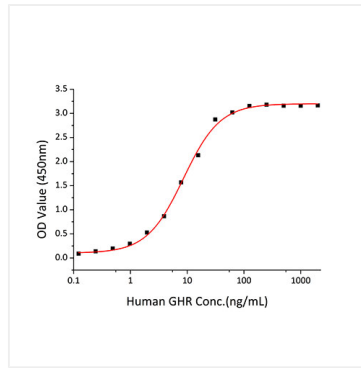
Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human Growth hormone receptor/GHR Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 70-85 kDa.



Immobilized Human GH at 2  $\mu\text{g/mL}$  (100  $\mu\text{L/well}$ ) can bind Human GHR with a linear range of 0.1-8.58 ng/mL.