

Human CellExp GHR /Growth Hormone Receptor, human recombinant protein
GHR, GHBP, GH receptor
Catalog # PBV11098r**Specification**

Human CellExp GHR /Growth Hormone Receptor, human recombinant protein - Product infoPrimary Accession
Calculated MW[P10912](#)

This protein is fused with polyhistidine tag at the C-terminus, and has a calculated MW of 28.5 kDa. The predicted N-terminus is Ala 27. DTT-reduced Protein migrates as 40-50 kDa in SDS-PAGE due to glycosylation. KDa

Human CellExp GHR /Growth Hormone Receptor, human recombinant protein - Additional InfoGene ID
Gene Symbol
Other Names
GHR, GHBP, GH receptor2690
GHRGene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Results

Human
HEK293 cells
SDS-PAGE; ≥95%
N/A;
Yes
The bioactivity is measured by its binding ability to human GH in a SPR assay. Covalently immobilized Recombinant Human GHR Protein can bind human growth hormone protein with affinity constant of 1.28 ±0.16 nM range.

Target/Specificity
GHR /Growth Hormone Receptor**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format
Lyophilized**Storage**

-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

Human CellExp GHR /Growth Hormone Receptor, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp GHR /Growth Hormone Receptor, human recombinant protein - Images**Human CellExp GHR /Growth Hormone Receptor, human recombinant protein - Background**

Growth hormone receptor (GHR) is also known as somatotropin receptor, growth hormone-binding protein (GHBR), which belongs to the type I cytokine receptor family or Type 1 subfamily. GHR contains one fibronectin type-III domain. GHR / GHBR is expressed in various tissues with high expression in liver and skeletal muscle. The soluble form (GHBP) is produced by phorbol ester-promoted proteolytic cleavage at the cell surface (shedding) by ADAM17/TACE. GHR is receptor for pituitary gland growth hormone involved in regulating postnatal body growth. On ligand binding, couples to the JAK2/STAT5 pathway. The soluble form (GHBP) acts as a reservoir of growth hormone in plasma and may be a modulator/inhibitor of GH signaling.