

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 info

Primary Accession P10912

Calculated MW

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 Info

Gene ID 2690 Gene Symbol GHR

Other Names

GHR, GHBP, GH receptor

Gene Source
Source
Human
HEK293 cells
Assay&Purity
SDS-PAGE; ≥95%

Assay2&Purity2 N/A; Recombinant Yes

Results 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 μ g/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.

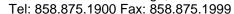
Format

Lyophilized

Storage

-20°C; Lyophilized from 0.22 μ m 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
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- 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.