



[Go to Product page](#)

Datasheet for ABIN7092794

Growth Hormone Receptor Protein (GHR) (Fc Tag)

Overview

Quantity:	100 µg
Target:	Growth Hormone Receptor (GHR)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Growth Hormone Receptor protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human GHR with C-terminal human Fc tag
Specificity:	GHR (Ala27-Thr264) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Growth Hormone Receptor (GHR)
Alternative Name:	GHR (GHR Products)
Background:	Synonyms: GHBP Description: This gene encodes a member of the type I cytokine receptor family, which is a transmembrane receptor for growth hormone. Binding of growth hormone to the receptor leads

Target Details

to receptor dimerization and the activation of an intra- and intercellular signal transduction pathway leading to growth. Mutations in this gene have been associated with Laron syndrome, also known as the growth hormone insensitivity syndrome (GHIS), a disorder characterized by short stature. In humans and rabbits, but not rodents, growth hormone binding protein (GHBP) is generated by proteolytic cleavage of the extracellular ligand-binding domain from the mature growth hormone receptor protein. Multiple alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Jun 2011]

Molecular Weight: predicted molecular mass of 53.8 kDa after removal of the signal peptide. The apparent molecular mass of GHR-hFc is 55-100 kDa due to glycosylation.

UniProt: [P10912](#)

Pathways: [NF-kappaB Signaling](#), [JAK-STAT Signaling](#), [Response to Growth Hormone Stimulus](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with deionized water

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months