Datasheet for ABIN7092794

Growth Hormone Receptor Protein (GHR) (AA 27-264) (Fc Tag)

1 Image

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Overview

Quantity:	100 µg
Target:	Growth Hormone Receptor (GHR)
Protein Characteristics:	AA 27-264
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:	Purified from cell culture supernatant by affinity chromatography
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:	This gene encodes a member of the type I cytokine receptor family, which is a transmembrane

Target Details

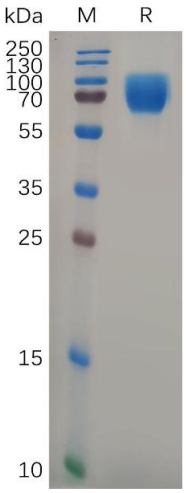
	receptor for growth hormone. Binding of growth hormone to the receptor leads to receptor dimerization and the activation of an intra- and intercellular signal transduction pathway leading to growth. Mutations in this gene have been associated with Laron syndrome, also known as the growth hormone insensitivity 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
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



SDS-PAGE

Image 1. Human GHR Protein, hFc Tag on SDS-PAGE under reducing condition.

