PRODUCT INFORMATION

Target	GHR
Synonyms	GHBP;GHIP
Description	Recombinant Human GHR with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P10912
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	GHR(Ala27-Tyr264) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 53.8 kDa after removal of the signal peptide. The apparent molecular mass of GHR-hFc is approximately 55-100 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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.
Background	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 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]
Usage	Research use only
Conjugate	Unconjugated

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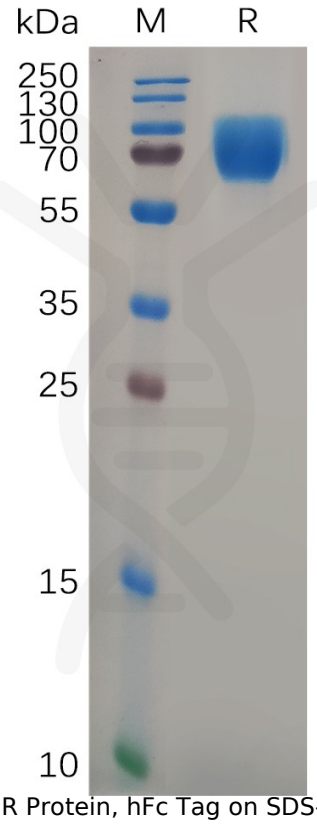


Figure 1. Human GHR Protein, hFc Tag on SDS-PAGE under reducing condition.

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