

Recombinant Human GHR Protein, ECD, Tag Free, Biotinylated

Cat. No. GHR-108H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human Growth hormone receptor (GHR) protein was developed from CHO cells.
Species	Human
Source	CHO
ProteinLength	ECD
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 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.
Conjugation/Label	Biotin
Form	Lyophilised
Endotoxin	Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).

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Applications	ELISA, WB
Notes	FOR RESEARCH USE ONLY (RUO).
Storage	The lyophilized protein is stable for at least 1 year from date of receipt at -20 centigrade. Upon reconstitution, this cytokine can be stored in working aliquots at 2 to 8 centigrade for one month, or at -20 centigrade for six months, with a carrier protein without detectable loss
Storage Buffer	Lyophilised from 0.2 µm filtered 20 mM Tris, 50 mM NaCl, pH 7.4.
Reconstitution	Upon receipt a quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Conjugation	Biotin

GENE INFORMATION

Gene Name	GHR growth hormone receptor [Homo sapiens (human)]
Official Symbol	GHR
Synonyms	GHR; growth hormone receptor; GH receptor; serum binding protein; somatotropin receptor; growth hormone binding protein; GHBP;
Gene ID	2690
mRNA Refseq	NM_000163
Protein Refseq	NP_000154

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MIM	600946
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UniProt ID	P10912
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