

Recombinant Human GHR Protein, His-tagged

Cat. No. GHR-362H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GHR, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
Description	GHR, also known as growth hormone receptor, is a member of the cytokine receptor family. It binds two receptor molecules and thereby induces signal transduction through receptor dimerization. At high concentrations, growth hormone acts as an antagonist because of a large difference in affinities at the respective binding sites. This antagonist action can be enhanced further by reducing binding in the low affinity binding site.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	29.4kDa (254aa)28-40kDa (SDS-PAGE under reducing conditions)
AA Sequence	FSGSEATAAI LSRAPWSLQS VNPGLKTNSS KEPKFTKCRS PERETFSCHW TDEVHHGTKN LGPIQLFYTR RNTQEWTQEW KECPDYVSAGENSCYFNSSF TSIWIPYCIK LTSNGGTVDE KCFSVDEIVQ PDPPIALNWT LLNVSLTGIH ADIQVRWEAP RNADIQKGWM VLEYELQYKEVNETKWKMMD PILTTSVPVY SLKVDKEYEV RVRSKQRNSG NYGEFSEVLY VTLPQMSQFT CEEDFYLEHH HHHH

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>95% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name	GHR growth hormone receptor [Homo sapiens]
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
MIM	600946
UniProt ID	P10912
Chromosome Location	5p14-p12

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Pathway

Androgen Receptor Signaling Pathway, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Endochondral Ossification, organism-specific biosystem; Growth hormone receptor signaling, organism-specific biosystem; Immune System, organism-specific biosystem;

Function

SH2 domain binding; growth factor binding; growth hormone receptor activity; peptide hormone binding; proline-rich region binding; protein binding; protein homodimerization activity; protein kinase binding; protein phosphatase binding; receptor activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA