

Growth Hormone R/GHR Protein, Human (HEK293, His)

Cat. No.:	HY-P702568
Synonyms:	GHR; GHBP; GH receptor
Species:	Human
Source:	HEK293
Accession:	P10912 (A27-Y264)
Gene ID:	2690
Molecular Weight:	45-60 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from 0.22 μ m filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Growth Hormone R (GHR) functions as the receptor for pituitary gland growth hormone, playing a pivotal role in the regulation of postnatal body growth. Upon binding to its ligand, GHR activates the JAK2/STAT5 pathway, facilitating the intracellular signaling cascade. Additionally, the soluble form of the receptor, known as GHBP (Growth Hormone Binding Protein), serves as a reservoir for growth hormone in the bloodstream. GHBP may also exert modulatory or inhibitory effects on growth hormone signaling, contributing to the intricate regulation of growth processes.
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Caution: Product has not been fully validated for medical applications. For research use only.

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