
Product Data Sheet

Product Name: GHBP Human, His

Cat. No.: GP20349

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Growth Hormone Receptor; Growth Hormone Binding Protein; Somatotropin Receptor GH Receptor; Serum Binding Protein; GHBP; GHIP.		
Amino Acid Sequence	FSGSEATAAI LSRAPWSLQS VNPGLKTNSS KEPKFTKCRS PERETFSCHWTDDEVHHGTKN LGPIQLFYTR RNTQEWTQEW KECPDYVSAG ENSCYFNSSF TSIWIPYCIK LTSNGGTVDEKCFVDEIVQ PDPPIALNWT LLNVSLTGIH ADIQVRWEAP RNADIQKGWM VLEYELQYKEVNETKWKMMMD PILTTSVPVYSLKVDKEYEV RVRSKQRNSG NYGEFSEVLY VTLPQMSQFT CEEDFYLEHH HHHH.		
Formulation	GHBP protein solution (1mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.		

Introduction

Growth hormone receptor, also known as GHR is part of the cytokinereceptor family. GHR binds 2 receptormolecules and in this manner induces signal transduction through receptordimerization. Furthermore, at high concentrations, growth hormone performs as an antagonist since there is a large difference in affinities at the respective binding sites. The antagonist action can be enhanced further by reducing binding in the low affinity binding site.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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GHBP produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 254 amino acids (19-264a.a.) and having a molecular mass of 29.4kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa).GHBP is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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