
Product Data Sheet

Product Name: GHBP Human, Sf9

Cat. No.: GP26028

Batch No.: 1

Product Data

Purity >98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition with Ice Packs

Synonyms GHR, GHBP, GHIP.

Amino Acid Sequence
 FSGSEATAAI LSRAPWSLQS VNPGLKTNSS KEPKFTKCRS PERETFSCHW
 TDEVHHGTKN LGPIQLFYTR RNTQEWTQEW KECPDYVSAG ENSCYFNSSF
 TSIWIPYCIK LTSNGGTVDE KCFSVDEIVQ PDPPIALNWT LLNVSLTGIH
 ADIQVRWEAP RNADIQKGWM VLEYELQYKE VNETKWKMMMD PILTTSVPVY
 SLKVDKEYEV RVRSKQRNSG NYGEFSEVLY VTLPQMSQFTCEEDFYLEHH
 HHHH

Formulation The GHBP solution (1mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).

Introduction

Growth Hormone Binding Protein or GHR, is a protein, part of the cytokine receptor superfamily. GHR binds to 2 receptors, therefore it enhances signal transduction via dimerization of receptors. In elevated levels, growth hormone operates as an antagonist due to high variance in the binding sites affinities. The antagonist operation can be embellished even more when the binding site is reduced its affinity.

Biological Activity

Measured by ability to inhibit GH-induced proliferation assay using Nb2-11 Rat lymphoma cells in the presence of 1.25ng/ml of human growth hormone. The ED50 for this effect is equal or less than 10ng/ml.

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%

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

GHBP Human produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 254 amino acids (19-264aa) and having a molecular mass of 29.4kDa. GHBP is fused to a 8 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA