

Growth Hormone Binding Protein Human Recombinant

Item Number	rAP-2270
Synonyms	GHR, GHBP, GH receptor, Somatotropin receptor.
Description	Growth Hormone Binding Protein Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 248 amino acids and having a molecular mass of 28107.01 Dalton. GHR is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P10912
Amino Acid Sequence	AFSGSEATAAILSRAPWSLQSVNPGTKNS SKEPKFTKCRSPERETFCHWTDEVHHGHTKNLG-PIQLFYTRRNTQEWTEWKECPDYVSA GENSCYFNSSFTSIWIPYCI-KLTSNGGTVDKCFVDEIVQDPPIALNWTLLNVSLTGI HADIQVRWEAPR-NADIQKGWMVLEYELQYKEVNETKWKMMDPILTTSPVYSLKVDKEYE VRVRSKQRNSGNY-GEFSEVLYVTLPQMSQFTCEEDFYF.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Growth Hormone Binding Protein although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GHBP should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	GHBP was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO ₃ . Greater than 98.0% as determined by: (a) Analysis by SEC-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Growth Hormone Binding Protein in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	GHBP is fully biologically active as evidenced by its ability of forming 2:1 complex with HGH.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**