

Growth Hormone Carp Recombinant

Item Number	rAP-2273
Synonyms	GH1, GH, GHN, GH-N, hGH-N, Pituitary growth hormone, Growth hormone 1, Somatotropin.
Description	Growth Hormone Carp Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 188 amino acids & having a molecular mass of 21,408 Dalton. Growth Hormone Carp is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P10298
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and found to be Ser-Asp-Asn-Gln-Arg.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Growth Hormone Carp recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Growth Hormone Carp 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-
Formulation and Purity	The GH Carp was lyophilized from a concentrated (1mg/ml) solution with 0.3% NaHCO ₃ adjusted to pH 8. Greater than 95.0% as determined by:(a) Analysis by SEC-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Growth Hormone Carp recombinant in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Carp GH is biologically active in rat 3T3 F442A preadipocytes, though its activity is 15-fold lower compared to bovine GH, but it is equally potent in vivo in promoting carp growth (Fine et al.1993). Furthermore, carp GH forms 1:2 complex with the extra c
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**