

Growth Hormone Chicken Recombinant

Item Number	rAP-2275
Synonyms	GH1, GH, GHN, GH-N, hGH-N, Pituitary growth hormone, Growth hormone 1, Somatotropin.
Description	Growth Hormone Chicken Recombinant (cGH) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 191 amino acids with an additional Ala at its N-terminus and having a molecular mass of 22255 Dalton. GH Chicken recombinant is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P08998
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Thr-Phe-Pro-Ala.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized GH Chicken although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution at > 0.1 mg/ml and filter sterilization GH can be stored at 4°C for several weeks. At lower concentration addition of a carrier protein (0.1% HSA or BSA) is recommended. Please prevent freeze-thaw cycles.
Formulation and Purity	The protein was lyophilized from a concentrated (1mg/ml) solution with 0.3% NaHCO ₃ adjusted to pH 8. Greater than 99.0% as determined by: (a) Analysis by SDS-PAGE gel. (b) Analysis by SEC-HPLC.
Application	
Solubility	It is recommended to reconstitute the lyophilized GH Chicken Recombinant in sterile water or 0.4% NaHCO ₃ adjusted to pH 8-9, not less than 100µg/ml and not more than 3 mg/ml, which can then be further diluted to other aqueous solutions, preferably in pres
Biological Activity	GH Chicken Recombinant is fully biologically active in homologous assays and in PDF-P1 3B9 cells stably transfected with rabbit GH receptors.
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**