

Growth Hormone, chicken recombinant protein
Growth hormone 1, Somatotropin
Catalog # PBV10406r**Specification**

Growth Hormone, chicken recombinant protein - Product info

Primary Accession [P08998](#)
Calculated MW **22.255 kDa KDa**

Growth Hormone, chicken recombinant protein - Additional Info

Gene ID **378781**
Gene Symbol **SOMA**
Other Names
Growth hormone 1, Somatotropin, Pituitary growth hormone

Gene Source **Chicken**
Source **E. coli**
Assay&Purity **SDS-PAGE; ≥99%**
Assay2&Purity2 **HPLC; ≥99%**
Recombinant **Yes**
Sequence **The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Thr-Phe-Pro-Ala**

Application Notes

Centrifuge the vial prior to opening. Reconstitute in sterile H₂O or 0.4 % NaHCO₃ adjusted to pH 8-9 to a concentration ≥ 100 µg/ml and sterile filtered. This solution can then be diluted into other aqueous buffers, preferably in the presence of carrier protein.

Format

Lyophilized protein

Storage

-20°C; Lyophilized from 0.3 % NaHCO₃ , pH 8

Growth Hormone, chicken recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Growth Hormone, chicken recombinant protein - Images

Growth Hormone, chicken recombinant protein - Background

GH is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. The gene, along with four other related genes, is located at the growth hormone locus on chromosome 17 where they are interspersed in the same transcriptional orientation; an arrangement which is thought to have evolved by a series of gene duplications. The five genes share a remarkably high degree of sequence identity. Alternative splicing generates additional isoforms of each of the five growth hormones, leading to further diversity and potential for specialization. This particular family member is expressed in the pituitary but not in placental tissue as is the case for the other four genes in the growth hormone locus. 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.

Growth Hormone, chicken recombinant protein - References

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Baum D.,et al.Comp. Biochem. Physiol. 96B:491-495(1990).
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