

Placental Ovine Growth Hormone Recombinant

Item Number	rAP-2285
Synonyms	GH1, GH, GHN, GH-N, hGH-N, Pituitary growth hormone, Growth hormone 1, Somatotropin.
Description	Placental Growth Hormone Ovine Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 191 amino acids and having a molecular mass of 21918 Dalton. The GH Ovine Recombinant is purified by proprietary chromatographic techniques. Placental Growth Hormone differs from
Uniprot Accession Number	
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 Ovine Placental Growth Hormone although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GH Ovine Placental 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
Formulation and Purity	The protein was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO ₃ adjusted to pH -9. 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 in sterile 0.4% NaHCO ₃ pH-9 not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Ovine placental Growth Hormone is fully biologically active when compared to World Health Organization (WHO) reference standard using in vitro bioassay in PDF-P1 3B9 cells stably transfected with rabbit GH receptors. It is also capable of forming a 1:2 co
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**