ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Growth Hormone Placental 22kDa Human Recombinant

Item Number	rAP-2268
Synonyms	GHL, GHV, GH-V, hGH-V, PGH.
Description	Placental HGH 22kDa Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 192 amino acids and having a molecular mass of 22367 Dalton. Predicted pI=7.80. Placental Growth Hormone has dimished lactogenic (prolactin receptor mediated) activity characteristic to pituitary
Uniprot Accesion Number	P01242
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Phe-Pro-Thr -Ile.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized GH placental although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution and filter sterilization HGH placental can be stored at 4°C for up to 4 weeks. For long term storage and more diluted solutions it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	The protein was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO3 previously adjusted pH 8-9. 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 Placental HGH in 0.4% NaHCO3or water adjusted to pH 9, not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
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

Angio-Proteomie | 11 Park Drive, Suite 12 Boston, MA 02215, USA | Tel: 001-617-549-2665 | Fax: 001-480-247-4337 | Email: angioproteomie@gmail.com