

Growth Hormone Mouse Recombinant

Item Number	rAP-2283
Synonyms	GH1, GH, GHN, GH-N, hGH-N, Pituitary growth hormone, Growth hormone 1, Somatotropin.
Description	Growth Hormone Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 191 amino acids and having a molecular mass of 22 kDa. Mouse GH is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P06880
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Phe-Pro-Ala-Met.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Growth Hormone mouse although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GH mouse 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 cycles.
Formulation and Purity	Mouse Growth Hormone Recombinant contains 50mM Tris-HCl, pH8.0, 150mM NaCl buffer. Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Growth Hormone murine in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Recombinant Mouse Growth Hormone is fully biologically active when compared to standard Human Growth Hormone which is 3 units/mg.
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**