

Growth Hormone Human Recombinant, HEK

Item Number	rAP-2264
Synonyms	GH1, GH, GHN, GH-N, hGH-N, Pituitary growth hormone, Growth hormone 1, Somatotropin.
Description	Growth Hormone Human Recombinant produced in HEK cells is a non-glycosylated monomer, having a total molecular weight of 22kDa. The GH is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P01241
Amino Acid Sequence	
Source	HEK.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized GH although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GH 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	The GH was lyophilized from 1mg/ml in 1xPBS. Greater than 95% as observed by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized GH in sterile 1xPBS containing 0.1% endotoxin-free recombinant HSA.
Biological Activity	The activity was determined by the dose dependent stimulation of the proliferation of rat lymphoma line Nb2-11 cells (prolactin indicator cell line), the ED50 is 2ng/ml.
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**