

# Product Datasheet

## Recombinant Human Growth Hormone Animal-Free Protein NBP2-76241-100ug

Unit Size: 100 ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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**NBP2-76241-100ug**

Recombinant Human Growth Hormone Animal-Free Protein

Product Information	
Unit Size	100 ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Sterile water at 0.1 mg/mL
Purity	>95%, by SDS-PAGE
Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 20 mM sodium bicarbonate, pH 8.0
Target Molecular Weight	22.3 kDa

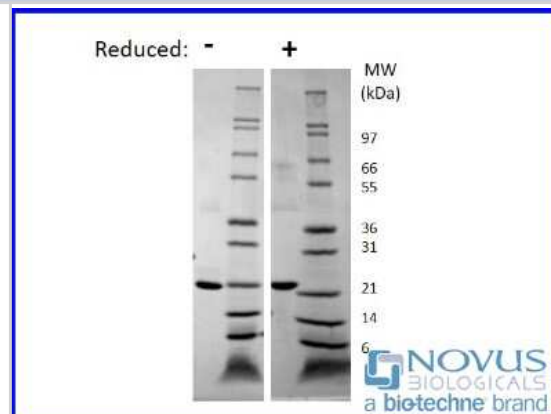
Product Description	
Description	For prolonged storage, dilute to working aliquots.  Expiration Date: 12 months from date of receipt when stored at -20C to -80C as supplied. 1 month when stored at 4C after reconstituting as directed. 3 months when stored at -20C to -80C after reconstituting as directed.
Gene ID	2688
Gene Symbol	GH1
Species	Human
Specificity/Sensitivity	Growth Hormone is a monomer, 22.3 kDa (192 aa)
Preparation Method	Protein is derived from genetically modified E. coli.
Details of Functionality	Bioactive protein but no acceptance criteria limits established
Endotoxin Note	Acceptance criteria for endotoxin levels are <1 EUs/ug protein (determined by Kinetic LAL Method).

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity
Application Notes	Lot Specific Information: Given endotoxin and ED50 values are acceptance criteria standards. For lot specific values, please contact technical support.

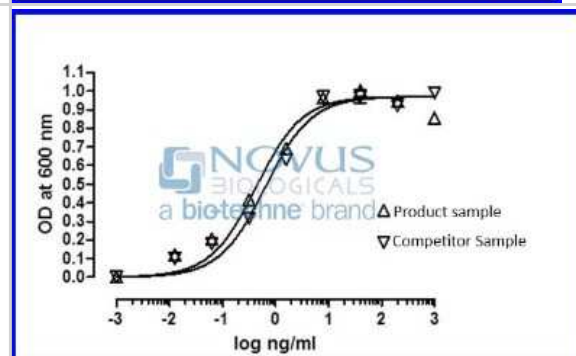


## Images

SDS-Page: Recombinant Human Growth Hormone Animal-Free Protein [NBP2-76241] - 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel.



Bioactivity: Recombinant Human Growth Hormone Animal-Free Protein [NBP2-76241] - Growth Hormone induced proliferation of 9D11 cells.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt.

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