

# Product Datasheet

## Recombinant Human IGF-II/IGF2 Animal-Free Protein NBP2-76228-10ug

Unit Size: 10 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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Updated 10/3/2023 v.20.1

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**NBP2-76228-10ug****Recombinant Human IGF-II/IGF2 Animal-Free Protein**

<b>Product Information</b>	
<b>Unit Size</b>	10 ug
<b>Concentration</b>	Lyoph
<b>Storage</b>	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.
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Sterile water at 0.1 mg/mL
<b>Purity</b>	>95%, by SDS-PAGE
<b>Buffer</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
<b>Target Molecular Weight</b>	7.5 kDa

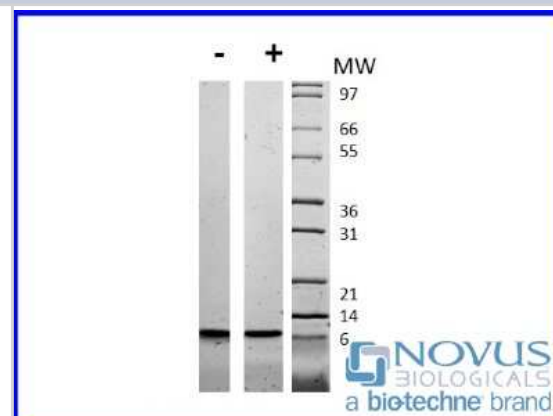
<b>Product Description</b>	
<b>Description</b>	For prolonged storage, dilute to working aliquots.  Expiration Date: 12 months from date of receipt when stored at -20C to -80C as supplied. 1 month when stored at 4C after reconstituting as directed. 3 months when stored at -20C to -80C after reconstituting as directed.
<b>Gene ID</b>	3481
<b>Gene Symbol</b>	IGF2
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	IGF-II is a monomer, 7.5 kDa (67 aa)
<b>Preparation Method</b>	Protein is derived from genetically modified E. coli.
<b>Details of Functionality</b>	Mouse FDC-P1 cell proliferation, >6.7 x 10 <sup>4</sup> units/mg (ED50 acceptance criteria are <15 ng/mL).
<b>Endotoxin Note</b>	Acceptance criteria for endotoxin levels are <1 EUs/ug protein (determined by Kinetic LAL Method).

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

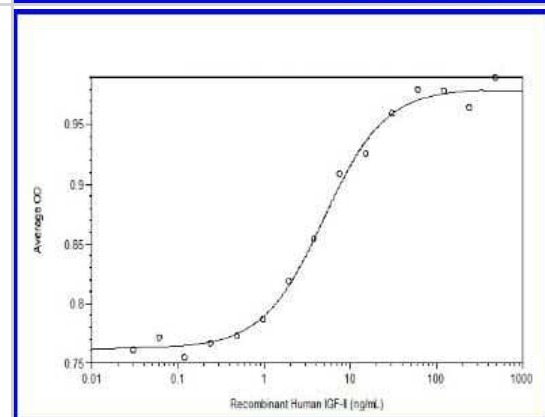


## Images

SDS-Page: Recombinant Human IGF-II Animal-Free Protein [NBP2-76228] - 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel.



Bioactivity: Recombinant Human IGF-II Animal-Free Protein [NBP2-76228] - IGF-II induced proliferation of FDC-P1 cells.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Limitations**

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