

# Product Datasheet

## Recombinant Rat Leptin/OB Protein NBP2-26570-0.2mg

Unit Size: 0.2 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-26570-0.2mg****Recombinant Rat Leptin/OB Protein**

| <b>Product Information</b>         |  |
|------------------------------------|--|
| <b>Unit Size</b>                   | 0.2 mg   |
| <b>Concentration</b>               | Lyoph  |
| <b>Storage</b>                     | Store at -20C. Avoid freeze-thaw cycles.   |
| <b>Preservative</b>                | No Preservative  |
| <b>Reconstitution Instructions</b> | Reconstitute with sterilized 18 M omega-cm water to a final concentration of at least 0.1 mg/ml. |
| <b>Purity</b>                      | >95%, by HPLC  |
| <b>Buffer</b>                      | Lyophilized from a concentrated solution with 0.0045mM NaHCO <sub>3</sub> .                      |
| <b>Target Molecular Weight</b>     | 16 kDa   |

| <b>Product Description</b>      |   |
|---------------------------------|---|
| <b>Description</b>              | <p>Recombinant biologically active Leptin/OB protein.</p> <p><b>Source:</b> <i>E. coli</i></p> <p><b>Amino Acid Sequence:</b> Ala-Val-Pro-Ile-His</p>   |
| <b>Gene ID</b>                  | 3952  |
| <b>Gene Symbol</b>              | LEP   |
| <b>Species</b>                  | Rat   |
| <b>Preparation Method</b>       | Protein quantitation was carried out by two independent methods:1. UV spectroscopy at 280 nm using the absorbency value of 0.201 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics).2. Analysis by RP-HPLC, using a calibrated solution of rat Leptin a Reference Standard. |
| <b>Details of Functionality</b> | Biological activity of rat Leptin is evidenced by inducing proliferation of BAF/3 cells stably transfected with the long form of human leptin receptor.   |
| <b>Notes</b>                    | After reconstitution, store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.  |
| <b>Endotoxin Note</b>           | Less than 0.1 ng/ug (IEU/ug) of rHuLeptin.  |

| <b>Product Application Details</b> |             |
|------------------------------------|-------------|
| <b>Applications</b>                | Bioactivity |
| <b>Recommended Dilutions</b>       | Bioactivity |





### **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  
novus@novusbio.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  
Technical Support: technical@novusbio.com  
Orders: orders@novusbio.com  
General: novus@novusbio.com

### **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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