

# Product Datasheet

## Recombinant Rat IL-1 beta/IL-1F2 Protein NBP2-35229-10ug

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.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-35229](http://www.novusbio.com/NBP2-35229)

Updated 1/25/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-35229](http://www.novusbio.com/reviews/destination/NBP2-35229)



**NBP2-35229-10ug**

Recombinant Rat IL-1 beta/IL-1F2 Protein

| Product Information         |   |
|-----------------------------|---|
| Unit Size                   | 10 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                | 5% Trehalose  |
| Reconstitution Instructions | Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.     |
| Purity                      | >95%, by SDS-PAGE and HPLC  |
| Buffer                      | Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4, with , 0.02 % Tween-20.  |
| Target Molecular Weight     | 17.3 kDa  |

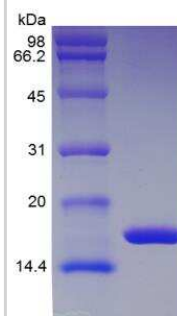
| Product Description      |   |
|--------------------------|---|
| Description              | A single non-glycosylated polypeptide chain containing 153 amino acids corresponding to IL-1 beta/IL-1F2 <b>Source:</b> <i>E. coli</i><br><br><b>Uniprot ID:</b> Q63264<br><br><b>Amino Acid Sequence:</b> MVPIRQLHCR LRDEQQKCLV LSDPCELKAL HLNQNISQQ VVFSMSFVQG ETSNDKIPVA LGLKGLNLYL SCVMKDGTP T LQLESVDPKQ YPKKKMEKRF VFNKIEVKTK VEFESAQFPN WYISTSQAEH RPVFLGNSNG RDIVDFTMEP VSS |
| Gene ID                  | 3553  |
| Gene Symbol              | IL1B  |
| Species                  | Rat   |
| Details of Functionality | IL1 beta Protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine D10S cells is less than 0.1 ng/ml, corresponding to a specific activity of > 1.0 x 10 <sup>7</sup> IU/mg.  |
| Endotoxin Note           | Less than 1 EU/ug of IL-1 beta/IL-1F2 as determined by LAL method.  |

| Product Application Details |                       |
|-----------------------------|-----------------------|
| Applications                | SDS-Page, Bioactivity |
| Recommended Dilutions       | SDS-Page, Bioactivity |



## Images

SDS-Page: Rat IL-1 beta/IL-1F2 Protein [NBP2-35229]





### **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  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-35229-10ug**

---

|                 |  |
|-----------------|--|
| NBP2-35895-10ug | Recombinant Human IL-1 beta/IL-1F2 Protein |
| 210-TA-005      | TNF-alpha [Unconjugated]                   |
| 201-LB-005      | IL-1 beta/IL-1F2 [Unconjugated]            |
| M6000B-1        | IL-6 [HRP]                                 |

---

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-35229](http://www.novusbio.com/reviews/submit/NBP2-35229)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

