

# Product Datasheet

## Recombinant Mouse Defensin beta 2 Protein NBP2-35144-5ug

Unit Size: 5ug

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/NBP2-35144](http://www.novusbio.com/NBP2-35144)

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/NBP2-35144](http://www.novusbio.com/reviews/destination/NBP2-35144)



**NBP2-35144-5ug**

Recombinant Mouse Defensin beta 2 Protein

**Product Information**

<b>Unit Size</b>	5ug
<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>	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.
<b>Purity</b>	> 98 % pure by SDS-PAGE and HPLC
<b>Buffer</b>	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4.
<b>Target Molecular Weight</b>	5.5 kDa

**Product Description**

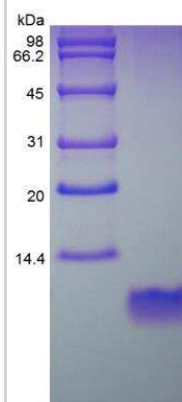
<b>Description</b>	<p>A single non-glycosylated polypeptide chain containing 51 amino acids corresponding to Defensin beta 2 <b>Source:</b> <i>E. coli</i></p> <p><b>Uniprot ID:</b> P82020</p> <p><b>Amino Acid Sequence:</b> AVGSLKSIGY EAELDHCHTN GGYCVRAICP PSARRPGSCF PEKNPCKYM K</p>
<b>Gene ID</b>	13215
<b>Gene Symbol</b>	Defb2
<b>Species</b>	Mouse
<b>Details of Functionality</b>	Defensin beta 2 protein is fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using immature human dendritic cells is in a concentration of 10-100 ng/ml.
<b>Endotoxin Note</b>	Less than 1 EU/ug of Defensin beta 2 as determined by LAL method.

**Product Application Details**

<b>Applications</b>	SDS-Page, Bioactivity
<b>Recommended Dilutions</b>	SDS-Page, Bioactivity

**Images**

SDS-Page: Mouse Defensin beta 2 Protein [NBP2-35144]





### **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 NBP2-35144-5ug**

---

NBP2-34910-5ug	Recombinant Human Defensin beta 2 Protein
210-TA-005	TNF-alpha [Unconjugated]
NBP2-77363	Human Defensin beta 2 ELISA Kit (Colorimetric)
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/NBP2-35144](http://www.novusbio.com/reviews/submit/NBP2-35144)

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

