

# Product Datasheet

## Recombinant Human Granulin Protein NBP1-99540-10ug

Unit Size: 10 ug

Store at -20 to -80C. Avoid 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/NBP1-99540](http://www.novusbio.com/NBP1-99540)

Updated 6/11/2024 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/NBP1-99540](http://www.novusbio.com/reviews/destination/NBP1-99540)



**NBP1-99540-10ug****Recombinant Human Granulin Protein****Product Information**

<b>Unit Size</b>	10 ug
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20 to -80C. Avoid freeze-thaw cycles.
<b>Purity</b>	>90%, by SDS-PAGE
<b>Buffer</b>	Sterile filtered in PBS
<b>Target Molecular Weight</b>	88 kDa

**Product Description**

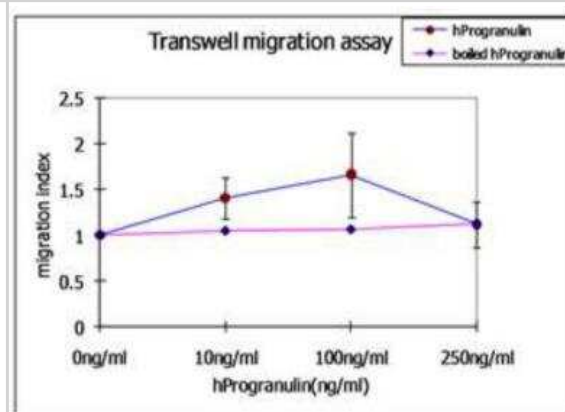
<b>Description</b>	<p>Recombinant bioactive protein for Human Granulin</p> <p>Source: <i>HEK 293 cells</i>  Amino Acid Sequence: (P28799)</p> <p><i>This product is manufactured by Abcam and distributed by Novus Biologicals.  (Abcam Catalog Number: ab113403)</i></p>
<b>Gene ID</b>	2896
<b>Gene Symbol</b>	GRN
<b>Species</b>	Human
<b>Details of Functionality</b>	Measured by chemotaxis using THP-1 cells.

**Product Application Details**

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

**Images**

Recombinant Human Granulin Protein [NBP1-99540] - Chemotaxis effect of Progranulin in THP-1 Cells: Cell migration of THP-1 monocytic leukemia cells was evaluated in disposable 24 well transwell polystyrene membrane with 8um size pores. 0ng/ml, 10ng/ml, 100ng/ml and 250ng/ml of Progranulin were diluted in RPMI 1640 supplemented with 0.5% FBS respectively. In case boiled Human Granulin Protein, proteins were boiled at 100 degrees C for 10min. And then Human Granulin Protein samples were added to the lower chamber. THP-1 cells (2 X 10<sup>5</sup> cells per well), in the same media with Progranulin, were added to the upper chamber. After 16 hours incubation at 37 degrees C in 5% CO<sub>2</sub> humidified atmosphere, migration cells in the lower chamber were counted. Migrated cells in two separate fields per well from triplicate wells were enumerated on a hemacytometer by means light microscopy.





### **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

### **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/NBP1-99540](http://www.novusbio.com/reviews/submit/NBP1-99540)

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

