

# Product Datasheet

## Collagenase Type 4 Native Protein P5275

Unit Size: 100 mg

Store at 4C. Do not freeze.

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



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

### Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/P5275](http://www.novusbio.com/P5275)

Updated 10/23/2024 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/P5275](http://www.novusbio.com/reviews/destination/P5275)



**P5275****Collagenase Type 4 Native Protein**

<b>Product Information</b>	
<b>Unit Size</b>	100 mg
<b>Concentration</b>	Lyoph
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Primary cell isolation, culture and tissue dissociation: Reconstitute in balanced salt solutions at concentrations from 0.05% to 0.5% (w/v). Enzymatic assay: Reconstitute in 0.05 M TES buffer with 0.36 mM CaCl <sub>2</sub> , pH 7.5 (concentration of 1.0 mg/ml)
<b>Purity</b>	>80% by SDS-PAGE and Coomassie blue staining

<b>Product Description</b>	
<b>Description</b>	<p>Collagenases are enzymes that break the peptide bonds in collagen, and is useful in structural and functional studies of collagen metabolism. Contains lower tryptic activity levels to limit damage to membrane proteins and receptors but with normal to above normal collagenase activity.</p> <p><b>Source:</b> Native protein purified from <i>Clostridium histolyticum</i></p>
<b>Gene Symbol</b>	MMP9
<b>Species</b>	C. histolyticum
<b>Preparation Method</b>	Native protein purified from Clostridium histolyticum
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.

<b>Product Application Details</b>	
<b>Applications</b>	Bioactivity, Enzyme Activity
<b>Recommended Dilutions</b>	Bioactivity, Enzyme Activity

**Publications**

Iris A, Alyssa M, Helen R et al. One-to-one innervation of vocal muscles allows precise control of birdsong. Curr Biol. 2021-07-26 [PMID: 34089645]

Katharina S, Michael M, Katharina G et al. LC-MS-Based Targeted Metabolomics for FACS-Purified Rare Cells. Anal Chem. 2023-02-22 [PMID: 36812587]





### **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/P5275](http://www.novusbio.com/reviews/submit/P5275)

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

