

# Product Datasheet

## Cytochrome C Oxidase Native Protein NBP2-41346

Unit Size: 250 ug

Store at -20C. 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/NBP2-41346](http://www.novusbio.com/NBP2-41346)

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/NBP2-41346](http://www.novusbio.com/reviews/destination/NBP2-41346)



**NBP2-41346****Cytochrome C Oxidase Native Protein**

<b>Product Information</b>	
<b>Unit Size</b>	250 ug
<b>Concentration</b>	5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Preservative</b>	No Preservative
<b>Purity</b>	>50% SDS-PAGE
<b>Buffer</b>	25 mM Tris-HCl buffer, pH 7.8, 5 mM EDTA, and 39 mM n-dodecyl beta-D-maltoside
<b>Target Molecular Weight</b>	250 kDa
<b>Product Description</b>	
<b>Description</b>	Native biologically active Cytochrome C Oxidase.  <b>Source:</b> <i>Bovine heart</i>
<b>Species</b>	Bovine
<b>Product Application Details</b>	
<b>Applications</b>	In vitro assay, Bioactivity
<b>Recommended Dilutions</b>	In vitro assay, Bioactivity
<b>Application Notes</b>	Cytochrome c Oxidase / Complex IV consists of 7-13 different proteins and is isolated as a dimer of 250 kDa of which heme a is an integral part. It contains macromolecular complex IV associated with micelles of the detergent n-dodecyl beta-D-maltoside and the enzyme solubilized with n-dodecyl beta-D-maltoside has an apparent molecular mass of 300-350 kDa (gel filtration). Cytochrome C Oxidase from Bovine heart. Activity: > or =20 units/mg protein (Unit: 1 unit of cytochrome c oxidase oxidizes 1 umole of ferrocytochrome c per minute at 25C at pH 6)



### **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/NBP2-41346](http://www.novusbio.com/reviews/submit/NBP2-41346)

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

