

# Product Datasheet

## Recombinant Human BMP-4 Protein NBP2-34931-10ug

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/NBP2-34931](http://www.novusbio.com/NBP2-34931)

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/NBP2-34931](http://www.novusbio.com/reviews/destination/NBP2-34931)



**NBP2-34931-10ug**

Recombinant Human BMP-4 Protein

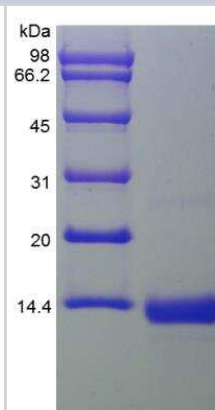
Product Information	
<b>Unit Size</b>	10 ug
<b>Concentration</b>	Lyoph
<b>Storage</b>	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
<b>Preservative</b>	5% Trehalose
<b>Reconstitution Instructions</b>	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water to a concentration of 0.1-1.0mg/mL
<b>Purity</b>	>95%, by SDS-PAGE
<b>Buffer</b>	Lyophilized from a 0.2 um filtered concentrated solution in 50 mM Na <sub>2</sub> CO <sub>3</sub> , 5 mM DTT, 0.02% Tween 20, pH 11.0.
<b>Target Molecular Weight</b>	13.3 kDa

Product Description	
<b>Description</b>	A monomeric, non-glycosylated polypeptide chain containing 117 amino acids corresponding to BMP-4 <b>Source:</b> <i>E. coli</i>  <b>Uniprot ID:</b> P12644  <b>Amino Acid Sequence:</b> MSPKHHSQRA RKKNKNCRRH SLYVDFSDVG WNDWIVAPPG YQAFYCHGDC PFPLADHLNS TNHAIVQTLV NSVNSSIPKA CCVPTELSAI SMLYLDEYDK VVLKNYQEMV VEGCGCR
<b>Gene ID</b>	652
<b>Gene Symbol</b>	BMP4
<b>Species</b>	Human
<b>Endotoxin Note</b>	Less than 1 EU/ug of BMP-4 as determined by LAL method.

Product Application Details	
<b>Applications</b>	Western Blot, ELISA, SDS-Page
<b>Recommended Dilutions</b>	Western Blot, ELISA, SDS-Page
<b>Application Notes</b>	1. Molecular standard (Western, ELISA) in studying secreted BMP-4; 2. Preparing antibodies for BMP-4 monomer; 3. Molecule standard in detecting secreted BMP-4 in reduced SDS-PAGE.

**Images**

SDS-Page: Human BMP-4 Protein [NBP2-34931]





### 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 NBP2-34931-10ug

---

NBC1-19056	Recombinant Human BMP-4 Protein
DVE00	VEGF [HRP]
314-BP-010	BMP-4 [Unconjugated]
233-FB-025	FGF basic/FGF2/bFGF [Unconjugated]

---

### 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/NBP2-34931](http://www.novusbio.com/reviews/submit/NBP2-34931)

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

