

# Product Datasheet

## Sigma-1 R/OPRS1 Knockout 293T Cell Lysate NBP2-65897

Unit Size: 2 Vials

Store at -20C short term. Aliquot and store at -80C long term. 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/NBP2-65897](http://www.novusbio.com/NBP2-65897)

Updated 10/20/2019 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/NBP2-65897](http://www.novusbio.com/reviews/destination/NBP2-65897)



**NBP2-65897****Sigma-1 R/OPRS1 Knockout 293T Cell Lysate**

| <b>Product Information</b>         |                                                                                                                                                                                                                                                               |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>                   | 2 Vials                                                                                                                                                                                                                                                       |
| <b>Concentration</b>               | Lyoph                                                                                                                                                                                                                                                         |
| <b>Storage</b>                     | Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.                                                                                                                                                                      |
| <b>Reconstitution Instructions</b> | To use as WB negative control, spin down briefly and resuspend in 100 uL 1xSDS sample buffer (2% SDS, 60 mM Tris-HCl pH 6.8, 10% Glycerol, 0.02% Bromophenol blue, 60 mM beta-mercaptoethanol). Boil the lysate for 3 - 5 minutes before loading it onto gel. |
| <b>Buffer</b>                      | 0.1 mg cell homogenate lyophilized in RIPA buffer made with double-knockout cell lines.                                                                                                                                                                       |

| <b>Product Description</b> |                                                                                                                                                                                                                                                                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 10280                                                                                                                                                                                                                                                                                                                                  |
| <b>Gene Symbol</b>         | SIGMAR1                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                  |
| <b>Preparation Method</b>  | Knockout achieved by using CRISPR/Cas9,4 bp deletion in exon 1                                                                                                                                                                                                                                                                         |
| <b>Notes</b>               | Powered by EDIGENE.<br>Validation of antibody specificity is critical and verification of antibody performance against knockout samples is one way to guarantee that an antibody recognizes a specific target. Novus' KO cell lysate can be used as a negative control for western blots and to confirm the specificity of antibodies. |
| <b>Lysate Type</b>         | Knockout 293T Cell                                                                                                                                                                                                                                                                                                                     |
| <b>Lysate Tissue</b>       | Kidney                                                                                                                                                                                                                                                                                                                                 |
| <b>Lysate Life Stage</b>   | Embryonic                                                                                                                                                                                                                                                                                                                              |

| <b>Product Application Details</b> |                                                                                                                                                                                                                                     |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>                | Western Blot                                                                                                                                                                                                                        |
| <b>Recommended Dilutions</b>       | Western Blot                                                                                                                                                                                                                        |
| <b>Application Notes</b>           | You will receive 1 vial (100ug) of knockout cell lysate and 1 vial (100ug) of Parental cell lysate. Lysate can be diluted with 1X SDS sample buffer and will be stable at -20 degrees C for 12 months. Minimize freeze-thaw cycles. |





### **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](http://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. Lysates are guaranteed for 6 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/NBP2-65897](http://www.novusbio.com/reviews/submit/NBP2-65897)

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

