

Product Datasheet

Recombinant Virus Dengue Virus 2 VLP Protein NBP3-14813-0.1mg

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP3-14813

Updated 9/15/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP3-14813



NBP3-14813-0.1mg

Recombinant Virus Dengue Virus 2 VLP Protein

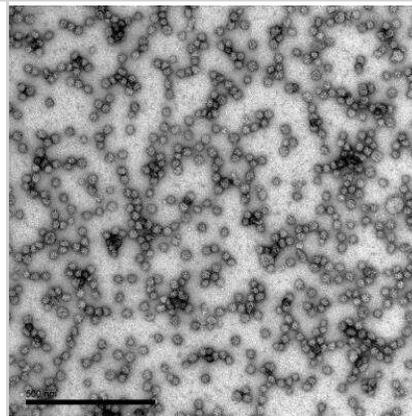
Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>95% pure by SDS-PAGE
Buffer	10mM sodium phosphate, 20mM sodium citrate, 154mM sodium chloride, pH7.4

Product Description	
Description	<p>Recombinant Dengue Virus serotype 2 virus-like particle recombinant antigen consisting of Envelope, pre-Membrane and Membrane protein, with C terminal His-tag.</p> <p>Storage: Avoid excessive mixing or shocking to prevent aggregation. Long term storage above -80C may result in aggregate formation.</p> <p>Concentration: 0.1-0.6mg/ml</p>
Species	Virus
Reactivity Notes	Dengue Virus Serotype 2 (Thailand/16681/84 Strain)
Preparation Method	Recombinant Dengue virus 2 virus-like particle recombinant antigen consisting of Envelope, pre-Membrane and Membrane protein produced in HEK293 human cells. The C-terminal 20% of the dengue Envelope protein was replaced by the corresponding Japanese Encephalitis virus sequence. Concentration and purification by a series of ultracentrifugation and chromatographical methods which result in VLPs of exceptional quality and purity. Cleavage of preM protein occurs naturally by furin in the cell and results in a dual population of preM and M-containing VLPs.

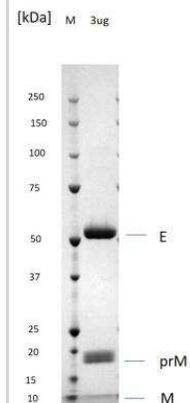
Product Application Details	
Applications	Electron Microscopy, SDS-Page
Recommended Dilutions	Electron Microscopy, SDS-Page

Images

Electron Microscopy: Dengue Virus 2 VLP Recombinant Protein Antigen [NBP3-14813] - Negative staining electron microscopy of DENV2 virus-like particles (VLPs).



SDS-Page: Dengue Virus 2 VLP Recombinant Protein Antigen [NBP3-14813] - Non-reducing SDS-PAGE gel showing purified Dengue virus serotype 2 virus-like particles; envelope protein at approx. 55kDa, prM protein running at approx. 18kDa and M protein at approx. 10kDa.





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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP3-14813

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

