

Product Datasheet

Recombinant Virus Dengue Virus 4 VLP Protein NBP3-14810-0.1mg

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/NBP3-14810

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/NBP3-14810



NBP3-14810-0.1mg

Recombinant Virus Dengue Virus 4 VLP Protein

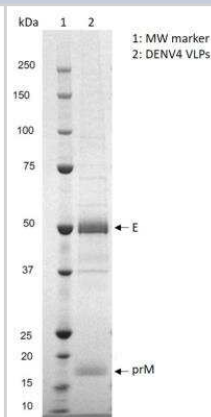
Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>95% pure by SDS-PAGE
Buffer	Dulbecco's PBS pH7.4, 30% sucrose

Product Description	
Description	<p>Recombinant Dengue Virus serotype 4 virus-like particle recombinant antigen consisting of Envelope, pre-Membrane and Membrane protein (Polyprotein aa 400-495).</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 4 (Dominica/814669/1981 Strain)
Preparation Method	VLPs are constructed from E, M and preM proteins, with secretion from the cell aided by substituting the C terminal 20% with the corresponding Japanese Encephalitis Virus sequence (all internal/transmembrane), produced in HEK293 expression system and tested for stability. Concentration and purification by a series of ultracentrifugation and chromatographical methods results in VLPs of exceptional quality and purity.

Product Application Details	
Applications	SDS-Page
Recommended Dilutions	SDS-Page

Images

SDS-Page: Dengue Virus 4 VLP Recombinant Protein Antigen [NBP3-14810] - Non-reducing SDS-PAGE gel showing purified Dengue virus serotype 4 virus-like particles; envelope protein (E) at approx. 55kDa, and prM protein running at approx. 17-18kDa.





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/NBP3-14810

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

