

Certificate of Analysis

Name: Dengue Virus Serotype 4 VLP

Product Code: REC31997-100 / REC31997-500

Batch #: 25111713D

Date of Manufacture: 21 Nov 2025

Product Description: Recombinant Dengue Virus serotype 4 virus-like particle recombinant antigen consisting of Envelope, pre-Membrane and Membrane protein produced in 293 human cells. The C-terminal 20% of the dengue Envelope protein was replaced by the corresponding Japanese encephalitis virus SA-14 sequence (Envelope protein amino acids 400-495). The replaced sequence corresponds to the transmembrane and intraparticle portion of the protein.

Expression System: HEK293

Strain/Isolate: Dominica/814669/1981

Tag: Untagged,

Amount: 0.1 mg / 0.5 mg

Concentration: 0.49 mg/ml

Presentation: Liquid

Buffer: Dulbecco's PBS pH7.4, 30% sucrose

Usage Guidelines

Short Term Storage: +4°C

Long Term Storage: -80°C

General Storage Conditions: Avoid excessive mixing or shocking to prevent aggregation. Long term storage above -80°C may result in aggregate formation.

Stability: At +4°C: 1 month. At -80°C: 1 year

Freezing: Can be frozen, but avoid multiple freeze/thaw cycles.



Certificate of Analysis

Name: Dengue Virus Serotype 4 VLP

Product Code: REC31997-100 / REC31997-500

Batch #: 25111713D

SDS-PAGE: Representative Coomassie-stained reducing SDS-PAGE showing purified Dengue Virus Serotype 4 VLP.

10/12/2025

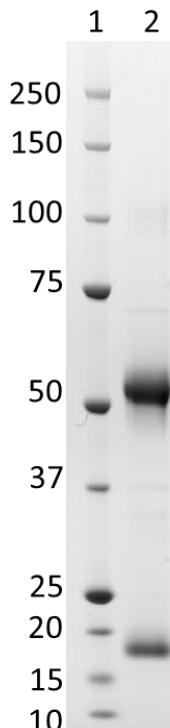
11/12/2025

QC

Signed by: Holger.Schuhmann@lgcgroup.com

QA

Signed by: Estelle.Tressens@LGCGroup.com



1. Molecular weight ladder, kDa
2. REC31997, #25111713D, [2.5 μ g]

X

H. Schuhmann

X

S. Tressens

Products are for Research Use or for Further Manufacturing Use only. Not for Diagnostic or Therapeutic Use.



www.thenativeantigencompany.com

NAC.Contact@LGCGroup.com

Registration No. 7386339

Page 2 of 2

The Native Antigen Company is now part of LGC Group.

Science for a Safer World