

**Vector pCAGGS Containing the Zaire Ebola virus, SLE/2014/Makona-G3848 VP24 Gene with N-Terminal HA Tag**

**Catalog No. NR-51476**

**For research use only. Not for use in humans.**

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

NR-51476 is an expression vector designed to express full length, Zaire ebolavirus (EBOV), SLE/2014/Makona-G3848 VP24 membrane-associated protein (GenPept: [AIG96566.1](#)) containing a N-terminal HA tag. SLE/2014/Makona-G3848 VP24 coding gene insert was derived by site-directed mutagenesis of Zaire EBOV, Mayinga (GenBank: [AF086833](#)) VP24 gene, which resulted in a single amino acid change (M212K), thus producing an amino acid sequence that is 100% identical to that of SLE/2014/Makona-G3848 VP24.<sup>1</sup> The ampicillin resistance gene, *bla*, provides transformant selection through ampicillin resistance in *Escherichia coli* (*E. coli*). The complete plasmid sequence is provided on the BEI Resources webpage. The plasmid was produced in *E. coli* and extracted.

NR-51476 has been qualified for use in bacterial transformations.

**Material Provided:**

Each vial contains plasmid DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA). The DNA concentration and volume provided are shown on the Certificate of Analysis. The vial should be centrifuged prior to opening. Note: The contents of the vial should be used to replicate the plasmid in *E. coli* prior to expression studies.

**Packaging/Storage:**

NR-51476 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Vector pCAGGS Containing the Zaire Ebola virus, SLE/2014/Makona-G3848 VP24 Gene with N-Terminal HA Tag, NR-51476.”

**Biosafety Level: 1**

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following

publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories \(BMBL\)](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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**References:**

1. Basler, C. F., Personal Communication.

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