

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

**Catalog No. NR-51474**

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

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

The nucleoprotein (NP) gene from Zaire ebolavirus (EBOV), SLE/2014/Makona-G3848 (GenBank: [KM233110](#)) was subcloned into the pCAGGS mammalian expression vector with an N-terminal FLAG tag.<sup>1</sup> The beta-lactamase 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-51474 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-51474 was packaged aseptically in 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 Nucleoprotein Gene with N-Terminal FLAG Tag, NR-51474.”

**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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