

Vector pCAGGS Containing the Zaire Ebola virus, SLE/2014/Makona-G3848 VP35 Gene with N-Terminal FLAG Tag

Catalog No. NR-51475

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

NR-51475 is an expression vector designed to express full length, N-terminal FLAG tagged VP35 matrix protein from Zaire ebolavirus (EBOV), SLE/2014/Makona-G3848 (GenPept: [AIG96560.1](#)). SLE/2014/Makona-G3848 VP35 coding gene insert was derived by site-directed mutagenesis of Zaire EBOV, Mayinga (GenBank: [AF086833](#)) VP35 gene, resulting in an amino acid sequence that is 100% identical to that of SLE/2014/Makona-G3848 VP35.¹ 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-51475 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-51475 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 VP35 Gene with N-Terminal FLAG Tag, NR-51475.”

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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