Vector pCAGGS Containing the Marburg Marburgvirus, Musoke VP30 Gene with N-Terminal FLAG Tag

Catalog No. NR-49345

For research use only. Not for human use.

Contributor and Manufacturer:
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Product Description:
The VP30 nucleocapsid protein gene from Marburg marburgvirus (MARV), Musoke (GenBank: DQ217792) was directionally subcloned into a modified pCAGGS mammalian expression vector. The resulting plasmid encodes a recombinant MARV VP30 containing a FLAG tag (DYKDDDDK) and three additional alanine residues at the amino terminus. The plasmid was produced in Escherichia coli and extracted. VP30 is a component of the filovirus nucleocapsid and binds tightly to the ribonucleoprotein core, but is not essential for replication or transcription of the filoviral genome.

NR-49345 has been qualified for use in bacterial transformations.

Material Provided:
Each vial contains approximately 50 µL of plasmid DNA. The DNA concentration and content are shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:
NR-49345 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 Marburg Marburgvirus, Musoke VP30 Gene with N-Terminal FLAG Tag, NR-49345.”

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. 5th ed.

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References:

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