Vector pCAGGS Containing the Zaire Ebolavirus, Mayinga VP24 Gene with N-Terminal FLAG Tag

Catalog No. NR-49202

For research use only. Not for human use.

Contributor and Manufacturer:
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Product Description:
The VP24 membrane-associated protein gene from Zaire ebolavirus (EBOV), Mayinga (GenBank: AF086833) was directionally cloned into a modified pCAGGS mammalian expression vector. The resulting plasmid encodes a recombinant EBOV VP24 containing a FLAG-tag (DYKDDDDK) and three additional alanine residues at the amino terminus. The plasmid was produced in Escherichia coli and extracted.

VP24 localizes to both the plasma membrane and the perinuclear region in EBOV-infected cells, and is required for assembly of the nucleocapsid. It is also an antagonist of both α/β and γ interferons (IFN), blocking IFN signaling by preventing the nuclear accumulation of tyrosine-phosphorylated STAT1.

NR-49202 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-49202 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 Ebolavirus, Mayinga VP24 Gene with N-Terminal FLAG Tag, NR-49202.”

Biosafety Level: 1

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References:

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