

**Vector pCAGGS Containing SARS Coronavirus Nonstructural Protein 1**

**Catalog No. NR-15190**

**For research use only. Not for human use.**

**Contributor:**

Peter Kuhn, Ph.D., Department of Cell and Molecular Biology, The Scripps Research Institute, La Jolla, California, USA

**Manufacturer:**

BEI Resources

**Product Description<sup>1</sup>:**

The nonstructural protein 1 (nsp1) coding sequence from the TOR-2 strain of the severe acute respiratory syndrome-related coronavirus (SARS-CoV) was subcloned into a modified pCAGGS mammalian expression vector. The construct was engineered to encode a C-terminal fragment containing a hemagglutinin (HA) tag and a 3X FLAG tag. The resulting plasmid was named pCC446. NR-15190 was produced in *E. coli* TOP10 cells (Invitrogen™) and extracted using a QIAGEN® Plasmid Plus Maxi Kit. Nsp1 can be expressed in and purified from HEK293T cells transfected with NR-15190.

NR-15190 has been qualified for use in bacterial transformations.

**Material Provided:**

Each vial contains approximately 100 µL of plasmid DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 7.0). The DNA concentration and content are shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

**Packaging/Storage:**

NR-15190 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 SARS Coronavirus Nonstructural Protein 1, NR-15190."

**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. Washington, DC: U.S. Government Printing Office, 2009; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. Kuhn, P., Personal Communication.

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