

**Vector pGEM-3Z-T7 Containing the SARS-Related Coronavirus 2, USA-WA1/2020 Nucleocapsid Gene**

**Catalog No. NR-58672**

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

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

The Nucleocapsid Protein (N) gene from severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2), isolate USA-WA1/2020 (GenPept: [QHO60601](#)) was cloned into the plasmid pGEM-3Z-T7.<sup>1</sup> The plasmid is approximately 4160 base pairs and contains an ampicillin resistance marker for transformant selection. The complete plasmid is provided on the BEI Resources webpage. The plasmid was produced in *E. coli* and extracted.

**Material Provided:**

Each vial contains plasmid DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 8.0). 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-58672 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 pGEM-3Z-T7 Containing the SARS-Related Coronavirus 2, USA-WA1/2020 Nucleocapsid Gene, Catalog No. NR-58672."

**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. Rice, C. M., Personal Communication.
2. Ricardo-Lax, I., et al. "Replication and Single-Cycle Delivery of SARS-CoV-2 Replicons." *Science* 374 (2021): 1099-1106. PubMed: 34648371.

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