

Vector pCAGGS Containing SARS Coronavirus Nonstructural Protein 14

Catalog No. NR-15200

Product Description: The nonstructural protein 14 (nsp14) 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 plasmid was produced in *Escherichia coli* and extracted.¹

Lot¹: 62244664

Manufacturing Date: 16JAN2014

| TEST | SPECIFICATIONS | RESULTS |
|--|--|--|
| Sequencing of Insert (~ 1600 nucleotides)² | Consistent with SARS-CoV, TOR-2 nsp14 (1493 nucleotides) HA tag 3X FLAG tag | 99% identity with SARS-CoV, TOR-2 nsp14 (GenBank: AY274119) Confirmed Confirmed |
| PicoGreen[®] Measurement DNA content DNA concentration | 20 to 60 ng Report results | 41 ng 0.41 ng per µL (0.41 µg per mL) |
| Effective Bacterial Transformation | ≥ 100 colonies per ng | ≥ 100 colonies per ng |

¹Produced in *Escherichia coli* TOP10 cells (Invitrogen™ C404003) and extracted using a Plasmid *Plus* Maxi Kit (QIAGEN® 12963)

²The insert contained in NR-15200 is 1581 nucleotides long, and the ORF includes an additional 141 nucleotides; a small portion of the ORF was not sequenced.

Date: 11 AUG 2014

Signature: 

Title: Technical Manager, BEI Authentication or designee

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