

Nucleocapsid Protein from SARS-Related Coronavirus 2, Wuhan-Hu-1 with C-Terminal Avi and Histidine Tags, Recombinant from HEK293 Cells

Catalog No. NR-55344

BPS Bioscience Catalog No. 100779

Product Description:

A recombinant form of the nucleocapsid (N) protein from severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2), Wuhan-Hu-1 (GenPept: [YP_009724397](https://www.ncbi.nlm.nih.gov/nuccore/YP_009724397)) was produced by transient transfection in human embryonic kidney HEK293 cells, purified by affinity chromatography (Ni-NTA agarose) and biotinylated using AviTag™ technology.¹ NR-55344 contains the full-length SARS-CoV-2 N protein and features a C-terminal AviTag™ BirA biotinylation acceptor sequence fused to a hexa-histidine tag.

Lot: 201008

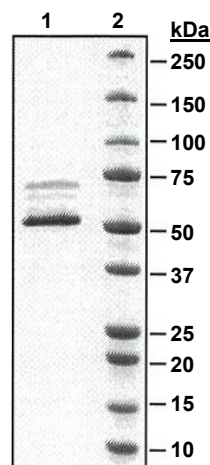
Manufacturing Date: 08OCT2020

TEST	SPECIFICATIONS	RESULTS
Appearance	Clear and colorless	Clear and colorless
SDS-PAGE Analysis	Report results	Protein band of ~ 50 kDa represents ≥ 90% of total staining intensity (Figure 1) ²
Biotinylation	Report results	≥ 90%
Concentration by Bradford Assay (pre-vial) Bovine Serum Albumin (standard)	Report results	1.64 mg per mL
Final Product Amount per vial Volume per vial	Report results Report results	55.0 µg 33.5 µL

¹NR-55344 was not filter-sterilized after purification and may not have a sufficiently low bioburden to be stored at warmer temperatures than -80°C.

²The recombinant protein migrated to a higher molecular weight than was expected, likely caused by glycosylation. For more information, please see Supekar, N. T., et al. "Variable Post-Translational Modifications of SARS-CoV-2 Nucleocapsid Protein." *Glycobiology* (2021): *in press*. PubMed: 33997890.

Figure 1: SDS-PAGE Analysis



Lane 1: NR-55344
Lane 2: MW ladder

/Heather Couch/

Heather Couch

15 JUN 2021

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