

**Spike Glycoprotein (Stabilized) from Human Coronavirus NL63, with C-Terminal Histidine and Twin-Strep® Tags, Recombinant from HEK293 Cells**

**Catalog No. NR-56134**

This reagent is the tangible property of the U.S. Government.

**Product Description:**

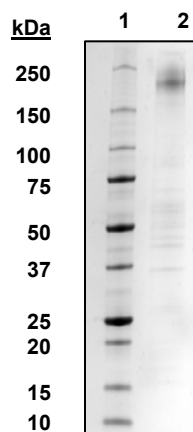
**Note: The Strep tag designation on the label is incorrect; the correct Strep tag is a Twin-Strep® tag.** A recombinant form of the spike (S) glycoprotein from human coronavirus NL63, (HCoV-NL63; GenPept: [AFV53148](#)) was produced by transient transfection into human embryonic kidney HEK293 cells and purified by immobilized metal affinity chromatography. NR-56134 lacks the signal sequence and contains 1273 residues (ectodomain) of the HCoV-NL63 spike glycoprotein; the recombinant protein was stabilized by SI→PP mutations (residues 1034 and 1035), and includes a HRV3C protease cleavage site, T4 foldon trimerization domain, and C-terminal octa-histidine and Twin-Strep® tags. Quality control testing was completed just prior to vialing.

**Lot: 70047890**

**Manufacturing Date: 20SEP2021**

TEST	SPECIFICATIONS	RESULTS
Appearance	Clear and colorless	Clear and colorless
SDS-PAGE Analysis	Report results	Protein band of > 170 kDa represents 85.4% of total staining intensity (Figure 1)
Protein Concentration by Bradford Assay	Report results	0.96 mg per mL
Final Product Amount per vial Volume per vial	Report results Report results	96 µg 100 µL
Sterility	0.22 µm sterile-filtered	0.22 µm sterile-filtered

**Figure 1: SDS-PAGE Analysis**



Lane 1: Precision Plus Protein™ Standard  
Lane 2: NR-56134 (1.5 µg)

/Sonia Bjorum Brower/

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20 JUN 2022

Lead Technical Writer or designee, ATCC Federal Solutions

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