

**Spike Glycoprotein S2 Extracellular Domain (ECD) from SARS-Related Coronavirus 2, Wuhan-Hu-1 with C-Terminal Histidine Tag, Recombinant from Baculovirus**

**Catalog No. NR-53799**

**Sino Biological Catalog No. 40590-V08B**

**Product Description:**

A recombinant form of the spike glycoprotein S2 extracellular domain (ECD) from severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2), Wuhan-Hu-1 (GenPept: [YP\\_009724390](#)) was produced by transfection in insect cells using a baculovirus expression system and purified. NR-53799 lacks the signal sequence, contains 528 residues of the SARS-CoV-2 spike glycoprotein S2 ECD (amino acid residues S686 to P1213) and features a C-terminal poly-histidine tag.

**Lot: MF15AP3031**

**Manufacturing Date: 30APR2021**

TEST	SPECIFICATIONS	RESULTS
<b>Appearance</b>	Transparent liquid, free of foreign material	Transparent liquid, free of foreign material
<b>Purity</b> SDS-PAGE and Quantitative Densitometry	Target protein band(s) > 90	Target protein band(s) 94.1% <sup>1</sup>
<b>Concentration by Bicinchoninic Acid Assay</b>	Report results	2.51 mg/mL
<b>Final Product</b> Amount per vial Volume per vial	Report results Report results	50 µg 20 µL
<b>pH</b>	7.0 ± 0.5	7.0 ± 0.5
<b>Endotoxin Content</b> <b>(Limulus Amoebocyte Lysate Assay)</b>	< 1 EU/µg	< 1 EU/µg

<sup>1</sup>The recombinant protein migrated to a slightly larger size than was expected, likely caused by glycosylation common in recombinant spike proteins derived from coronaviruses. For more information, please see Chakraborti, S., et al. "The SARS Coronavirus S Glycoprotein Receptor Binding Domain: Fine Mapping and Functional Characterization." *Virology* 2 (2005): 73. PubMed: 16122388.

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08 APR 2024

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