

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: MF14JL1411

Manufacturing Date: 14JUL2020

TEST	SPECIFICATIONS	RESULTS
Appearance	Transparent liquid, free of foreign material	Transparent liquid, free of foreign material
Purity SDS-PAGE and Quantitative Densitometry	Target protein band(s) > 90 ± 3%	Target protein band(s) 90.0% ¹
Concentration (A₂₈₀)	Report results	2 mg per mL
Final Product Amount per vial Volume per vial	Report results Report results	50 µg 25 µL
pH	7 ± 0.5	7 ± 0.5
Endotoxin Content (Limulus Amoebocyte Lysate Assay)	< 1 EU per µg	< 1 EU per µg

¹The 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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25 SEP 2020

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