

Spike S1+S2 Trimer Protein (Extracellular Domain) from SARS-Related Coronavirus 2, B.1.1.529 (Omicron) with C-Terminal Histidine Tag, Recombinant from HEK293 Cells

Catalog No. NR-56479

Sino Biological Catalog No. 40589-V08H26

Product Description:

A recombinant form of the spike glycoprotein S1+S2 from severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2), B.1.1.529 (Omicron) which originated in South Africa was produced by transfection in human embryonic kidney HEK293 cells and purified. NR-56479 lacks the signal sequence, contains 1228 residues of the SARS-CoV-2 spike glycoprotein (amino acid residues V16 to 1208 according to the numbering of GenPept: [YP_009724390](https://www.ncbi.nlm.nih.gov/nuccore/YP_009724390)), contains mutations A67V, HV69-70 deletion, T95I, G142D, VYY143-145 deletion, N211 deletion, L212I, ins214EPE, G339D, S371L, S373P, S375F, K417N, N440K, G446S, S477N, T478K, E484A, Q493R, G496S, Q498R, N501Y, Y505H, T547K, D614G, H655Y, N679K, P681H, N764K, D796Y, F817P, N856K, A892P, A899P, A942P, Q954H, N969K, L981F, K986P, V987P and furin cleavage site mutations. NR-56479 features a bacteriophage T4 fibrin foldon domain and a C-terminal poly-histidine tag.

Lot: MA15DE0601

Manufacturing Date: 06DEC2021

TEST	SPECIFICATIONS	RESULTS
Appearance	Transparent liquid, free of foreign material	Transparent liquid, free of foreign material
Purity SDS-PAGE and Quantitative Densitometry SEC-HPLC	Target protein band(s) > 95 ± 3% Target protein band(s) > 95%	Target protein band 93.2% Target protein band 99.5%
Concentration (A₂₈₀)	Report results	1.37 mg/mL
Final Product Amount per vial Volume per vial	Report results Report results	50 µg ~36.5 µL
Functional ELISA	Positive	Positive
pH	6.0 ± 0.5	6.0 ± 0.5
Endotoxin Content (Limulus Amoebocyte Lysate Assay)	< 1 EU/µg	< 1 EU/µg

/Sonia Bjorum Brower/

Sonia Bjorum Brower

19 MAR 2024

Technical Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contributor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

