

Recombinant SARS-CoV-2 Spike RBD protein (BQ.1.1/Omicron), His (HEK293)

Catalog Number: bs-43157P

AA Seq: 319-537/1273

Predicted MW: 26.7

Tags: C-His

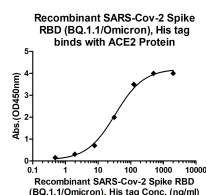
Endotoxin: Not analyzed

Purity: >90% as determined by SDS-PAGE

Storage: Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: The SARS-CoV-2 spike (S) protein is the target of vaccine design efforts to end the COVID-19 pandemic. Despite a low mutation rate, isolates with the D614G substitution in the S protein appeared early during the pandemic, and are now the dominant form worldwide. Here, we analyze the D614G mutation in the context of a soluble S ectodomain construct.

VALIDATION IMAGES



Measured by its binding ability in a functional ELISA. Immobilized human ACE2, His-Avi Tag (Cat: bs-46001P) at 2µg/mL (100 µL/Well) can bind SARS-CoV-2 Spike RBD (BQ.1.1/Omicron), His Tag (Cat: bs-43157P), the EC50 is 34ng/mL.

The purity of the protein is greater than 90% as determined by reducing SDS-PAGE.