

2019-nCoV Spike Protein RBD, Fc Tag

Catalog No: C19SD-G241F

The spike glycoprotein (S) of coronavirus belongs to the type I transmembrane protein containing two subunits, S1 and S2, and the entry of SARS-CoV-2 into the cells is mediated by effective binding of the viral Spike (S) protein to human ACE2 cell receptor. A receptor binding domain (RBD) of S1 can recognize the cell surface receptor and the mutation of RBD could cause higher motility rate, making this viral protein a prime target in studying the infection, and developing safe therapeutics against the ongoing COVID-19 pandemic. SignalChem's recombinant 2019-nCoV Spike protein S1 subunit, receptor-binding domain (RBD) (319-541) was expressed in CHO cells using a C-terminal Fc tag.

Unique Selling Points



Well tested for its superior quality



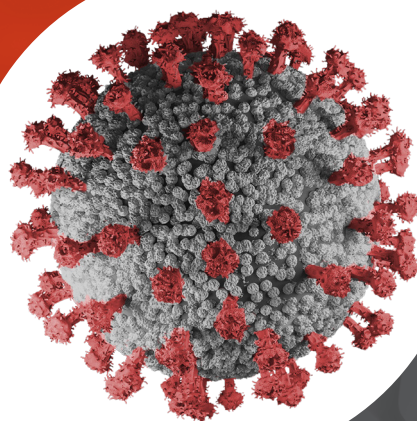
Strong binding affinity to human ACE2 protein



The purity was determined to be approx. 90%



Effective tool for SARS-CoV-2 research



Competitors

R&D SYSTEMS
a biotechne brand


SIGMA-ALDRICH

Sino Biological
 Biological Solution Specialist

Target Customers



Scientists developing targeted anti-Spike protein antiviral therapies



Biopharmaceutical companies developing vaccines



Government research organizations



Scientists studying SARS-CoV-2 structure and mode of actions



Universities investigating SARS-CoV-2