

## 2019-nCoV Spike protein RBD, HIS Tag

Catalog No: C19SD-G241H

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 his tag.

### Unique Selling Points



Fully functional estimated  
using ELISA assay



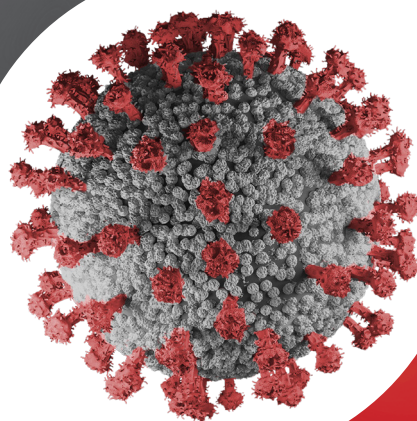
Strong binding affinity to  
human ACE2 protein



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 investi-  
gating SARS-CoV-2