

## 2019-nCoV Spike protein RBD (S477N) Catalog No: C19SD-G238H

Within the Spike protein RBD domain of SARS-CoV-2, S447 is the most commonly mutated residue and S477N mutation occurs very frequently alongside the D614G variant. MD simulation studies suggest that S477N strengthens the binding of the SARS-COV-2 spike with the hACE2 receptor. Hence, as the new variants displace the first-wave virus, it is pivotal to evaluate their transmissibility, virulence and their possible tendency to escape antibody neutralization. SignalChem's Recombinant 2019-nCoV Spike protein S1 subunit, RBD (S477N) (319-541) was expressed in CHO cells using a C-terminal his tag.

### Unique Selling Points



Biologically Active



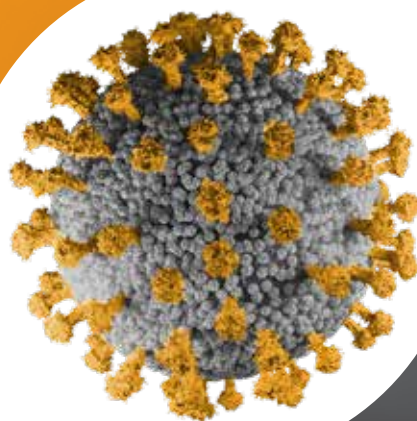
QA/QC tested



High binding to hACE2



Purity approx. 90%



### Competitors



### Target Customers



Researchers analyzing  
S477N Neutralization



Biopharma developing  
S477N targeting  
therapies



Diagnostic kits R&D



Scientists testing  
COVID19 inhibitors



Government  
research  
organizations