

ACE2 (19-740) Protein

Catalog No: A51C2-G341F

The angiotensin converting enzyme 2 (ACE2) belongs to the angiotensin-converting enzyme family of dipeptidyl carboxydipeptidases and plays crucial role in regulation of cardiovascular, renal and reproductive systems. ACE2 is a functional receptor for the spike glycoprotein (S) of SARS-CoV, HCoV-NL63, and the novel 2019 coronavirus SARS-CoV-2. 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 making this enzyme a prime target in studying the infection, and developing safe therapeutics against the ongoing COVID-19 pandemic. SignalChem's recombinant human angiotensin-converting enzyme 2 (ACE2) extracellular domain (19-740) was expressed in CHO cells using a C-terminal Fc tag.

Unique Selling Points



Biologically active and fully functional



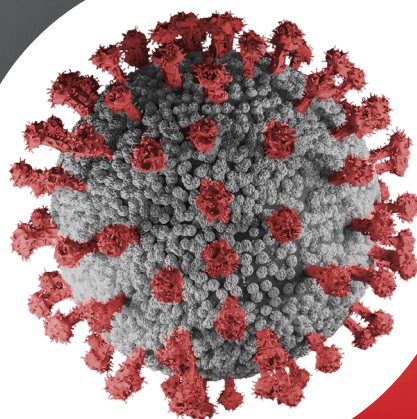
Strong binding affinity to 2019-nCoV spike protein



The purity was determined to be approx. 95%



Effective to be used in COVID-19 functional ELISA assays



Competitors



Target Customers



Scientists developing targeted antiviral drugs



Biopharmaceutical companies developing vaccines



Government research organizations



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



Universities investigating SARS-CoV-2