

2019-nCoV Nucleocapsid (N) Protein

Catalog No: C19NP-G242H

SARS-CoV-2 N-protein is an RNA-binding protein primarily involved in binding to the viral RNA genome during packaging of viral RNA into a helical ribonucleoprotein or nucleocapsid structure. In addition, N-protein regulates viral RNA synthesis during replication/transcription and modulates host-pathogen interactions, such as actin reorganization, host cell cycle progression, and apoptosis. N-protein is abundantly expressed during infection and antibodies against N-protein have been detected in confirmed cases of Covid-19. Therefore, N-protein is a potent antigen that provides basis for future vaccine and diagnostic kit development. SignalChem's recombinant full-length 2019-nCoV Nucleocapsid (N) Protein was expressed in E. coli cells with a C-terminal His tag.

Unique Selling Points



The purity was determined to be approx. 90%



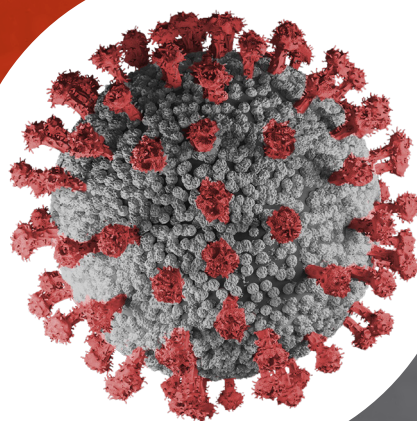
Strong binding affinity to Anti N-protein antibody



Effective biochemical tool for SARS-CoV-2 research



Activity determined using ELISA assay



Competitors

R&D SYSTEMS
a biotechne brand


SIGMA-ALDRICH

 **Sino Biological**
Biological Solution Specialist

Target Customers



Scientists developing targeted anti-N 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