

## COVID-19 Spike Protein mRNA-LNP

**Cat. No.:** HY-153235  
**Target:** SARS-CoV; Liposome  
**Pathway:** Anti-infection; Metabolic Enzyme/Protease  
**Storage:** Solution, -20°C, 2 years

COVID-19 Spike Protein mRNA-LNP

### BIOLOGICAL ACTIVITY

#### Description

COVID-19 Spike Protein mRNA-LNP is a lipid nanoparticle (LNP) containing COVID-19 Spike Protein, suitable for detection of RNA delivery, translation efficiency, cell viability, etc. COVID-19 Spike Protein is the novel coronavirus pneumonia spike protein located on the membrane surface. COVID-19 Spike Protein undertakes the functions of virus binding to host cell membrane receptors and membrane fusion, thereby mediating the entry of COVID-19 virus into cells. COVID-19 Spike Protein is an important site of action for host neutralizing antibodies and a key target for vaccine design<sup>[1]</sup>.

### REFERENCES

[1]. Nguyen NHL, et al. COVID-19 Spike Protein Induced Phononic Modification in Antibody-Coupled Graphene for Viral Detection Application. ACS Nano. 2021 Jul 27;15(7):11743-11752.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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