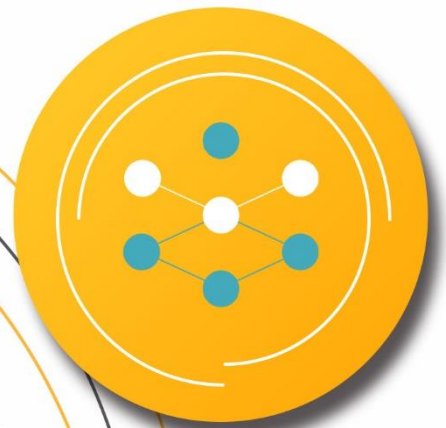
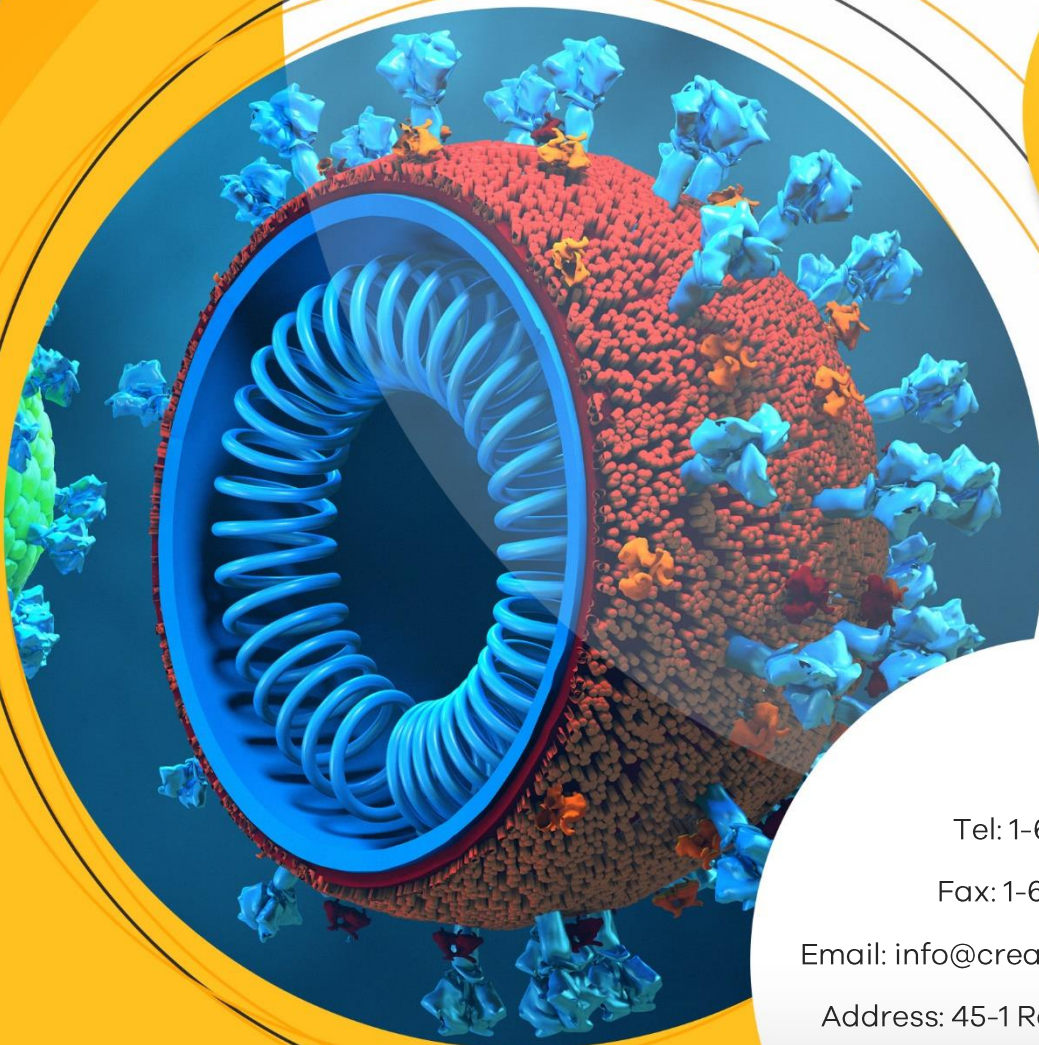




Creative Biostructure

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COVID-19 RELATED VLP PRODUCTS



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SARS-CoV-2 has similar structural features to other coronaviruses. Coronavirus particles have four main structural proteins, namely membrane (M) protein, nucleocapsid (N) protein, spike (S) protein, and envelope (E) protein, and several accessory proteins. Non-infectious virus-like particles (VLPs) displaying crucial viral proteins can be utilized to investigate the structural properties of natural viruses. Besides, VLPs do not contain any viral genetic material and have the potential to trigger a powerful immune response, offering a much safer option for vaccine development.

In the current continuous outbreak of SARS-CoV-2 / COVID-19, as an advanced VLP supplier, **Creative Biostructure** provides several VLP products in the family Coronaviridae. Currently, we have successfully created SARS-CoV-2 VLPs composed of M, N, S, and E in mammalian cells. Listed below are some of our COVID-19 related VLP products.

We offer highly purified COVID-19 related VLP products as antigens for research use only, mostly using a mammalian expression system. **Creative Biostructure** has rich experience in the production of VLPs and can provide custom VLP synthesis services according to your experimental goals.

Products List

SARS-CoV-2 VLP (M; N; S; E Proteins)

Cat.No.: CBS-V925	Source: HEK293	Virus Name: SARS-CoV-2
Composition: M, N, S, E	Protein Conc.: -	Purity: 95%
Presentation: 10 mM Tris, 1 M NaCl, pH 7.4 (20% sucrose, 1 mM EDTA)		

COVID-19 VLP (S; GFP Protein)

Cat.No.: CBS-V926	Source: HEK293	Virus Name: COVID-19
Composition: S-his, GFP	Protein Conc.: -	Purity: 90%
Presentation: PBS		

COVID-19 VLP (S; Luciferase)**Cat.No.:** CBS-V927**Source:** HEK293**Virus Name:** COVID-19**Composition:** S-his, Luciferase**Protein Conc.:** -**Purity:** 90%**Presentation:** PBS**Mouse hepatitis virus A59 VLP (S; E; M; N Proteins)****Cat.No.:** CBS-V673**Source:** Mammalian cell recombinant**Virus Name:** Mouse hepatitis virus**Composition:** S; E; M; N**Protein Conc.:** 0.6-1.0 mg/mL**Purity:** >90% by SDS-PAGE**Presentation:** Phosphate buffered saline at pH 7.4, containing 10% glycerol**Mouse hepatitis virus A59 VLP (S Proteins)****Cat.No.:** CBS-V674**Source:** Mammalian cell recombinant**Virus Name:** Mouse hepatitis virus**Composition:** Spike protein (S)**Protein Conc.:** 0.6-1.0 mg/mL**Purity:** >90% by SDS-PAGE**Presentation:** Phosphate buffered saline at pH 7.4, containing 10% glycerol**Mouse hepatitis virus VLP (M; N Proteins)****Cat.No.:** CBS-V675**Source:** Mammalian cell recombinant**Virus Name:** Mouse hepatitis virus**Composition:** M; N**Protein Conc.:** 0.6-1.0 mg/mL**Purity:** >90% by SDS-PAGE**Presentation:** Phosphate buffered saline at pH 7.4, containing 10% glycerol**SARS-CoV VLP (S; E; M Proteins)****Cat.No.:** CBS-V757**Source:** Insect cell recombinant**Virus Name:** Severe acute respiratory syndrome coronavirus**Composition:** S; E; M**Protein Conc.:** 0.6-1.0 mg/mL**Purity:** >90% by SDS-PAGE**Presentation:** Phosphate buffered saline at pH 7.4, containing 10% glycerol

SARS-CoV VLP (M; N; S; E Proteins)**Cat.No.:** CBS-V758**Source:** Mammalian cell recombinant**Virus Name:** Severe acute respiratory syndrome coronavirus**Composition:** M; N; S; E**Protein Conc.:** 0.6-1.0 mg/mL**Purity:** >90% by SDS-PAGE**Presentation:** Phosphate buffered saline at pH 7.4, containing 10% glycerol**SARS-CoV VLP (E; N; M Proteins)****Cat.No.:** CBS-V759**Source:** Mammalian cell recombinant**Virus Name:** Severe acute respiratory syndrome coronavirus**Composition:** E; N; M**Protein Conc.:** 0.6-1.0 mg/mL**Purity:** >90% by SDS-PAGE**Presentation:** Phosphate buffered saline at pH 7.4, containing 10% glycerol**SARS-CoV VLP (Membrane Protein)****Cat.No.:** CBS-V760**Source:** Mammalian cell recombinant**Virus Name:** Severe acute respiratory syndrome coronavirus**Composition:** Membrane (M) proteins**Protein Conc.:** 0.6-1.0 mg/mL**Purity:** >90% by SDS-PAGE**Presentation:** Phosphate buffered saline at pH 7.4, containing 10% glycerol**Chimeric SARS-CoV & HIV-1 VLP (N; NC Proteins)****Cat.No.:** CBS-V761**Source:** Mammalian cell recombinant**Virus Name:** Severe acute respiratory syndrome coronavirus; HIV-1**Composition:** N; NC**Protein Conc.:** 0.6-1.0 mg/mL**Purity:** >90% by SDS-PAGE**Presentation:** Phosphate buffered saline at pH 7.4, containing 10% glycerol

Chimeric SARS-CoV & MHV VLP (S(SCoV); M(MHV); N(MHV); E(MHV) Proteins)**Cat.No.:** CBS-V762**Source:** Mammalian cell
recombinant**Virus Name:** Severe acute respiratory
syndrome coronavirus; Mouse hepatitis virus**Composition:** S(SCoV); M(MHV);
N(MHV); E(MHV)**Protein Conc.:** 0.6-1.0 mg/mL**Purity:** >90% by SDS-PAGE**Presentation:** Phosphate buffered saline at pH 7.4, containing 10% glycerol