

Active Recombinant SARS-CoV2 Virus-like particles, Flag/His-tagged

Cat. No. VLP-110S Lot. No. (See product label)

SPECIFICATION

Product Overview	The virus-like particles (VLPs) of SARS-CoV2 were expressed in Sf21 cells, assembled with the spike (S, Flag-tagged), envelope (E), membrane (M) and nucleocapsid (N, 6His-tagged) proteins of SARS-CoV2. The VLPs were purified by the combination of gradient centrifugation and chromatographic methods.
Species	SARS-CoV-2
Source	Insect Cells
Description	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is an enveloped, positive-sense, single-stranded RNA virus that causes coronavirus disease 2019 (COVID-19). Virus particles include the RNA genetic material and structural proteins needed for invasion of host cells. Once inside the cell the infecting RNA is used to encode structural proteins that make up virus particles, nonstructural proteins that direct virus assembly, transcription, replication and host control and accessory proteins whose function has not been determined. The structural proteins of SARS-CoV-2 include the envelope protein (E), spike or surface glycoprotein (S), membrane protein (M) and the nucleocapsid protein (N).
Bio-activity	VLPs of SARS-CoV2 are suitable for the related assays.
Purity	~80%, as determined by SDS-PAGE.
Applications	VLPs can be used for 1) antibody generation and nebulization, 2) detection of

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antibodies of SARS-CoV2, 3) binding assays and others.

Storage

The protein sample can be stored under sterile conditions at -20 to -70 centigrade for three months without detectable loss of activity.

Concentration

0.18 mg/mL

Storage Buffer

Formulation 20 mM Tris-Cl, pH7.9, 100 mM NaCl and 0.5 mM EDTA.

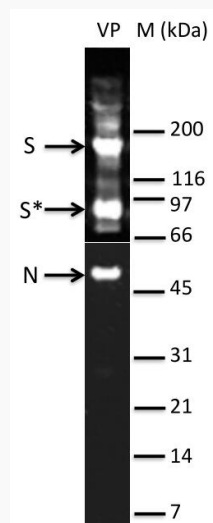
GENE INFORMATION

Official Symbol

VLP

Synonyms

VLP; Virus-like particles

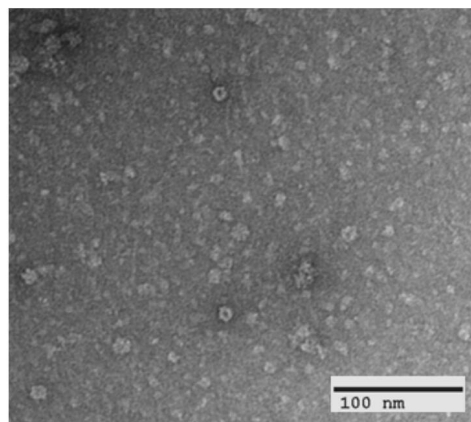
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