

Bioactive

SARS-CoV-2

HuPro®

# S1 (SARS-CoV-2 Alpha Variant) Recombinant Protein

Catalog # P6698

Size 100 ug

## Applications



The purity is greater than 95%.

This molecule has a calculated mass of approximately 76 kDa. Recombinant S1 migrates due to glycosylation as an approximately 120 kDa protein under reducing conditions in SDS-PAGE.

### Result of activity analysis

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## Specification

<b>Product Description</b>	SARS-CoV-2 Alpha Variant S1 (QIC53204.1, 16 a.a. - 683 a.a.) amino acids 69-70 and 144 deleted; N501Y/A570D/P681H mutant partial recombinant protein with polyHis tag at C-terminal expressed in HEK cells.
<b>Host</b>	Human
<b>Theoretical MW (kDa)</b>	76
<b>Form</b>	Lyophilized
<b>Preparation Method</b>	Mammalian cell (HEK293) expression system

<b>Purification</b>	Affinity chromatography nickle column
<b>Purity</b>	greater than 95%.
<b>Endotoxin Level</b>	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1 EU/ug).
<b>Activity</b>	Immobilized human ACE2, His Tag at 0.5 ug/mL (100 ul/Well). Dose response curve for this protein with the ED <sub>50</sub> of 0.1 ug/mL determined by ELISA.
<b>Quality Control Testing</b>	1 ug loaded Tris-Bis PAGE under reducing condition. The purity is greater than 95%.
<b>Recommend Usage</b>	SDS-PAGE The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	Lyophilized from PBS, pH 7.4.
<b>Storage Instruction</b>	Store the lyophilized protein at -20°C. A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffer. After reconstitution with distilled water, store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This molecule has a calculated mass of approximately 76 kDa. Recombinant S1 migrates due to glycosylation as an approximately 120 kDa protein under reducing conditions in SDS-PAGE. Result of activity analysis This molecule has a calculated mass of approximately 76 kDa. Recombinant S1 migrates due to glycosylation as an approximately 120 kDa protein under reducing conditions in SDS-PAGE. Result of activity analysis

## Applications

- SDS-PAGE