



# AVISCERA BIOSCIENCE

## S1 Spike Protein (SARS-CoV-2) His Tag Recombinant (HEK293 Expressed) Biotinylated

|             |   |
|-------------|---|
| Code        | 00706-02-10B  |
| Name        | S1 Spike Protein<br>(SARS-CoV-2) His<br>Tag Rec. (HEK293)<br>Biotinylated |
| Lot No.     |   |
| Size        | 10 µg   |
| Source      | HEK293  |
| Tag         | 6x His Tag on C-<br>terminal  |
| Purity      | >95% in SDS gel   |
| Formulation | PBS lyophilized<br>form   |
| Carry       | 0.05% BSA   |
| Storage     | -20° C  |
| Protein ID  | YP_009724390.1  |
| Gene ID     |   |
| MW          | 120 KD in SDS-<br>PAGE Gel (due<br>glycosylated)                          |

### Description

A DNA sequence encoding S1 Spike Protein (SARS-CoV-2) (Val16-Arg685) with a poly His tag on the C-Terminus was expressed in HEK293 cells animal free cultures. This protein was purified by Ni-NTA column. The S1 Spike Protein (SARS-CoV-2) His Tag recombinant (HEK293 derived) has a predicted molecular mass of 76.5 KDa. Due to glycosylation, the recombinant S1 Spike Protein (SARS-CoV-2) migrates as an approximately 120 kDa band in SDS-PAGE under reduce condition. This protein was conjugated with biotin and dialysis in PBS.

### Receptor ACE2 Ligand Binding Test

This S1 Spike Protein (SARS-CoV-2) His Tag recombinant (HEK293 derived) Biotinylated (00706-02-10B) had been tested on the human soluble ACE2 Fc Fusion (HEK293) pre-coated microplates (2µg/mL, 100µl per well). Its EC<sub>50</sub> = 50 ~100 ng/mL.

### Formulation

Lyophilized 10 µg of the Biotinylated S1 Spike Protein (SARS-CoV-2) His Tag (HEK293) in 100 µl of PBS (130mM NaCl, 7mM Na<sub>2</sub>HPO<sub>4</sub>, 3mM NaH<sub>2</sub>PO<sub>4</sub>, pH 7.4). Carry is 0.05% BSA.

### Reconstitution & Storage

Add 100 µl Deionized Water to the vial to prepare a working stock solution at 100 µg/mL. Allow to set at least 30 minutes at 4° C, mix well.

Store lyophilized protein at -20° C or -70° C. Lyophilized protein is stable for up to 6 months from date of receipt at -20° C to -70° C. Upon reconstitution, this protein can be stored at -20° C for a few days or at -70° C in a manual defrost freezer for long term storage (1 month).

**Sequence:** SARS-CoV-2 S1 Spike Protein (Val 16- Arg 685) His Tag (HEK293)

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