



# AVISCERA BIOSCIENCE

## Soluble Angiotensin-Converting Enzyme 2 (ACE2) (Human) Fc Fusion (HEK293)

Code	00707-02-50
Name	Soluble ACE2 (H) Fc Fusion (HEK293)
Lot No.	
Size	50 µg
Source	HEK293
Tag	Human IgG Fc Tag on C-terminal
Purity	>95% in SDS gel
Formulation	PBS lyophilized form
Carry	0.05% BSA
Storage	-20°C ~ -70°C
Protein ID	NP_068576.1
Gene ID	NM_021804.2
MW	145 KD (Reduced) in SDS-PAGE Gel (due glycosylated)

### Description

A DNA sequence encoding the human ACE2 (18–740) extracellular domain with a Human IgG1 Fc tag on the C-Terminus was expressed in HEK293 cells animal free cultures. This protein was purified by Protein A column. The Human Soluble ACE2 Fc Fusion recombinant has a predicted molecular mass of 110 KDa. Due to glycosylation, the recombinant Human Soluble ACE2 migrates as an approximately 145 kDa band in SDS-PAGE under reduce condition. This protein was conjugated with biotin and dialysis in PBS.

### Receptor Soluble ACE2 Binding Test

This human soluble ACE2 Fc Fusion (00707-02-10) had been tested by Anti Human IgG Fc HRP on the purified S1 Spike Protein (2019-nCoV) His Tag recombinant (HEK293) solid phase support with dynamic range 1.77 ~ 1818 pM/L. (Predicted MW 110KD) Its EC<sub>50</sub>= 537 pM/L. And this human soluble ACE2 (00707-02-10) had been tested on RBD-Fc fusion of S1 Spike Protein (2019-nCoV) (HEK293) solid phase support with dynamic range 1.775 - 1818 pM/L. Its EC<sub>50</sub>= 184 pM/L.

### Formulation

Lyophilized 50 µg of the Human Soluble ACE2 Fc Fusion (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 free.

### Reconstitution & Storage

Add 100 µl Deionized Water to the vial to prepare a working stock solution at 500 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:** Human ACE2 (18-740) His Tag

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