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

Code	00707-02-100
Name	Soluble ACE2 (H) Fc Fusion (HEK293)
Lot No.	
Size	100 µg
Source	HEK293
Tag	Human IgG Fc Tag on C-terminal
Purity	>95% in SDS gel
Formulation	TBS liquid form
Carry	free
Storage	-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.

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 EC₅₀= 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 EC₅₀= 184 pM/L.

Formulation

100 µg of the Human Soluble ACE2 Fc Fusion (HEK293) in 100 µl of 20 mM Tris, 300 mM NaCl, 1mM ZnCl₂, 10% Glycerol, pH 7.4 . Carry free.

Storage

Store liquid protein at -70° C. It is stable for up to 6 months from date of receipt at -70° C.

Sequence: Human ACE2 (18-740) plus Human IgG1 Fc

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