

SARS-CoV-2 S glycoprotein (HEK 293, His, Flag)

Cat. No.:	HY-P72035
Synonyms:	E2 Peplomer protein
Species:	Virus
Source:	HEK293
Accession:	P0DTC2 (V16-R685)
Gene ID:	43740568
Molecular Weight:	Approximately 79.6 kDa

PROPERTIES

AA Sequence

V N L T T R T Q L P	P A Y T N S F T R G	V Y Y P D K V F R S	S V L H S T Q D L F
L P F F S N V T W F	H A I H V S G T N G	T K R F D N P V L P	F N D G V Y F A S T
E K S N I I R G W I	F G T T L D S K T Q	S L L I V N N A T N	V V I K V C E F Q F
C N D P F L G V Y Y	H K N N K S W M E S	E F R V Y S S A N N	C T F E Y V S Q P F
L M D L E G K Q G N	F K N L R E F V F K	N I D G Y F K I Y S	K H T P I N L V R D
L P Q G F S A L E P	L V D L P I G I N I	T R F Q T L L A L H	R S Y L T P G D S S
S G W T A G A A A Y	Y V G Y L Q P R T F	L L K Y N E N G T I	T D A V D C A L D P
L S E T K C T L K S	F T V E K G I Y Q T	S N F R V Q P T E S	I V R F P N I T N L
C P F G E V F N A T	R F A S V Y A W N R	K R I S N C V A D Y	S V L Y N S A S F S
T F K C Y G V S P T	K L N D L C F T N V	Y A D S F V I R G D	E V R Q I A P G Q T
G K I A D Y N Y K L	P D D F T G C V I A	W N S N N L D S K V	G G N Y N Y L Y R L
F R K S N L K P F E	R D I S T E I Y Q A	G S T P C N G V E G	F N C Y F P L Q S Y
G F Q P T N G V G Y	Q P Y R V V V L S F	E L L H A P A T V C	G P K K S T N L V K
N K C V N F N F N G	L T G T G V L T E S	N K K F L P F Q Q F	G R D I A D T T D A
V R D P Q T L E I L	D I T P C S F G G V	S V I T P G T N T S	N Q V A V L Y Q D V
N C T E V P V A I H	A D Q L T P T W R V	Y S T G S N V F Q T	R A G C L I G A E H
V N N S Y E C D I P	I G A G I C A S Y Q	T Q T N S P R R A R	

Biological Activity

Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S at 2 µg/mL can bind human ACE2, the EC50 of SARS-CoV-2-S protein is 56.64 - 103.6 ng/mL. Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S at 2

Appearance

Lyophilized powder.

Formulation

Lyophilized from a 0.2 µm solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0

Endotoxin Level

<1 EU/µg, determined by LAL method.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 µg/mL in sterile distilled water.

Storage & Stability

Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -

20°C or -80°C for extended storage.

Shipping

Room temperature in continental US; may vary elsewhere.

Caution: Product has not been fully validated for medical applications. For research use only.

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