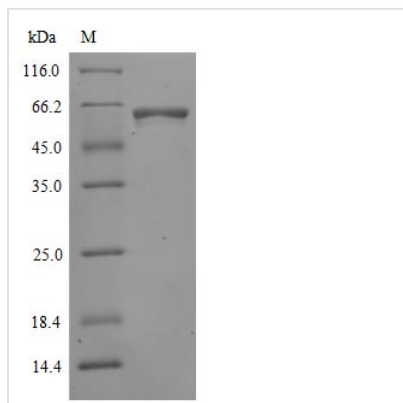




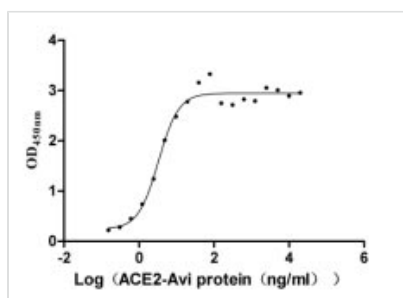
# Recombinant Severe acute respiratory syndrome coronavirus 2 Spike glycoprotein (S) (N501Y), partial (Active)

<b>Product Code</b>	CSB-MP3324GMY1(M6)k2
<b>Abbreviation</b>	Recombinant SARS-CoV-2 S protein (N501Y), partial (Active)
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P0DTC2
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4.
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-CoV-2)
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD (N501Y) at 2 µg/ml can bind human ACE2 (CSB-MP866317HU-B), the EC <sub>50</sub> is 2.492-4.401 ng/ml.
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNKRKISNCVADYSVLYNSA SFSTFKCYGVSPTKLNDLCFTNVYADSFVIRGDEVQRQIAPGQTGKIADYNYKLP DDFTGCVIAWNSNNLDSKVGGNYNLYRLFRKSNLKPFERDISTEIQAGSTP CNGVEGFNCYFPLQSYGFQPTYGVGYQPYRVVLSFELLHAPATVCGPKKST NLVKNKCVNF
<b>Source</b>	Mammalian cell
<b>Target Names</b>	S,S1-RBD
<b>Expression Region</b>	319-541aa(N501Y)
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	C-terminal 6xHis-mFC-tagged
<b>Mol. Weight</b>	55.3kDa
<b>Protein Length</b>	Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



**Activity**

Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD (N501Y) at 2 μg/ml can bind human ACE2 (CSB-MP866317HU-B), the EC<sub>50</sub> is 2.492-4.401 ng/ml.

**Endotoxin**

Less than 1.0 EU/ug as determined by LAL method.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.