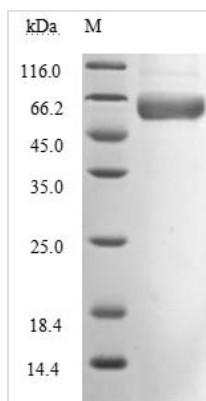


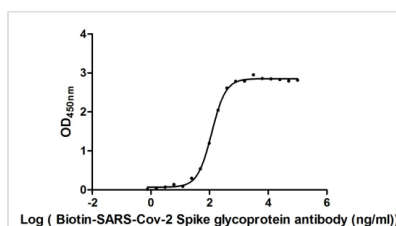


Recombinant Severe acute respiratory syndrome coronavirus 2 Spike glycoprotein (S), partial (Active)

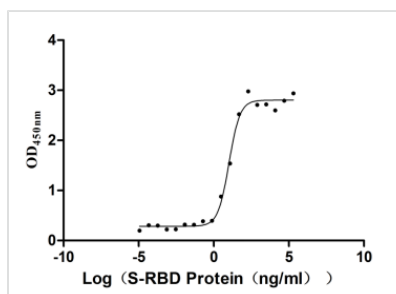
Product Code	CSB-MP3324GMY1
Abbreviation	Recombinant SARS-CoV-2 S protein, partial (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P0DTC2
Form	Lyophilized powder
Product Type	Others
Immunogen Species	Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-CoV-2)
Biological Activity	①Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD at 2 µg/ml can bind Biotinylated Anti-SARS-CoV-2-S Antibody (CSB-RA33245D1GMY), the EC ₅₀ of SARS-CoV-2-S1-RBD protein is 106.2-131.2 ng/ml. ②Measured by its binding ability in a functional ELISA. Immobilized human ACE2 (CSB-MP866317HU) at 2 µg/ml can bind SARS-CoV-2-S1-RBD, the EC ₅₀ of SARS-CoV-2-S1-RBD protein is 8.363-12.82 ng/ml.
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLYNSA SFSTFKCYGVSPTKLNDLCFTNVYADSFVIRGDEVQRQIAPGQTGKIADYNYKLP DDFTGCVIAWNSNNLDSKVGGNYNLYRLFRKSNLKPFERDISTEIYQAGSTP CNGVEGFNCYFPLQSYGFQPTNGVGYQPYRVVLSFELLHAPATVCGPKKST NLVKNKCVNF
Research Area	Microbiology
Source	Mammalian cell
Target Names	S
Expression Region	319-541aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 6xHis-mFc-tagged
Mol. Weight	51.1 kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.
 Predicted band size: 51.1 kDa
 Observed band size: 66 kDa due to glycosylation



Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD at 2 μ g/ml can bind Biotinylated Anti-SARS-CoV-2-S Antibody (CSB-RA33245D1GMY), the EC₅₀ of SARS-CoV-2-S1-RBD protein is 106.2-131.2 ng/ml.



Measured by its binding ability in a functional ELISA. Immobilized human ACE2 (CSB-MP866317HU) at 2 μ g/ml can bind SARS-CoV-2-S1-RBD, the EC₅₀ of SARS-CoV-2-S1-RBD protein is 8.363-12.82 ng/ml.

Endotoxin

Less than 1.0 EU/ μ g 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.