

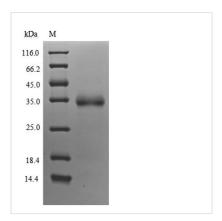


Recombinant Severe acute respiratory syndrome coronavirus 2 Spike glycoprotein (S) (V483A), partial (Active)

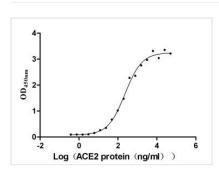
of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 1 months at -20°C/-80°C. Uniprot No. PODTC2 Form Lyophilized powder Storage Buffer Lyophilized from a 0.2 μm sterile filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0 Product Type Recombinant Protein Immunogen Species Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-CoV-2-S1-RBD (V483A) at 5 μg/ml can bind human ACE2 (CSB-MP866317HU), the EC ₅₀ is 196.4-272.1 ng/ml.@Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD (V483A) at 1 μg/ml can bind human ACE2 (CSB-MP866317HU), the EC ₅₀ is 196.4-272.1 ng/ml.@Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD (V483A) at 2 μg/ml can bind SARS-CoV-2-S Antibody (CSB-RA33245A1GMY), the EC ₅₀ is 7.481-18.76 ng/ml. Purity Greater than 90% as determined by SDS-PAGE. Sequence RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRKRISNCVADYSVLYNSSFSTFKCYGVSPTKLNDLCFTNVYADSFVIRGDEVRQIAPGQTGKIADYNYKLDDFTGCVIAWNSNNLDSKVGGNYNYLYRLFRKSNLKPFERDISTEIYQAGSTCNGAEGFNCYFPLQSYGFQPTNGVGYQPYRVVVLSFELLHAPATVCGPKKSNLVKNKCVNF Research Area Microbiology Source Mammalian cell Target Names S Expression Region 319-541aa(V483A)		
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 I of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 1: months at -20°C/-80°C. The shelf life of lyophilized form is 1: months at -20°C/-80°C. Uniprot No. PODTC2 Form Lyophilized powder Storage Buffer Lyophilized from a 0.2 µm sterile filtered 20 mM Tris-HCI, 0.5 M NaCI, 6% Trehalose, pH 8.0 Product Type Recombinant Protein Immunogen Species Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-CoV-2 CoV-2-S1-RBD (V483A) at 5 µg/ml can bind human ACE2 (CSB-MP866317HU), the EC ₅₀ is 196.4-272.1 ng/ml.@Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD (V483A) at 2 µg/ml can bind SARS-CoV-2-S Antibody (CSB-RA33245A1GMY), the EC ₅₀ is 7.481-18.76 ng/ml. Purity Greater than 90% as determined by SDS-PAGE. RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRKRISNCVADYSVLYNS SFSTFKCYGVSPTKLNDLCFTNVYADSFVIRGDEVROIAPGQTGKIADYNYKIDDFTGCVIAWNSNNLDSKVGGNYNYLYRLFRKSNLKPFERDISTEIYQAGST CNGAEGFNCYFPLQSYGFQPTNGVGYQPYRVVVLSFELLHAPATVCGPKKSNLVKNKCVNF Research Area Microbiology Source Mammalian cell Target Names S Expression Region 319-541aa(V483A) Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. Tag Info C-terminal 10xHis-tagged Mol. Weight 27.8 kDa	Product Code	CSB-MP3324GMY1(M5)
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Form Lyophilized powder Storage Buffer Lyophilized from a 0.2 μm sterile filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0 Product Type Recombinant Protein 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 (V483A) at 5 μg/ml can bind human ACE2 (CSB-MP866317HU), the EC ₅₀ is 196.4-272.1 ng/ml.②Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD (V483A) at 2 μg/ml can bind SARS-CoV-2-S Antibody (CSB-RA33245A1GMY), the EC ₅₀ is 7.481-18.76 ng/ml. Purity Greater than 90% as determined by SDS-PAGE. Sequence RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRKRISNCVADYSVLYNS SFSTFKCYGVSPTKLNDLCFTNVYADSFVIRGDEVRQIAPGQTGKIADYNYKI DDFTGCVIAWNSNNLDSKVGGNYNYLYRLFRKSNLKPFERDISTEIYQAGST CNGAEGFNCYFPLQSYGFQPTNGVGYQPYRVVVLSFELLHAPATVCGPKKSNLVKNKCVNF Research Area Microbiology Source Mammalian cell Target Names S Expression Region 319-541aa(V483A) Notes Repeated freezing and thawing is not recommended. Store working aliquots a 4°C for up to one week. Tag Info C-terminal 10xHis-tagged Mol. Weight 27.8 kDa	Storage	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
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Immunogen Species Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-CoV-2 Biological Activity	Storage Buffer	
Biological Activity	Product Type	Recombinant Protein
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	Tag Info	C-terminal 10xHis-tagged
Protein Length Partial	Mol. Weight	27.8 kDa
	Protein Length	Partial



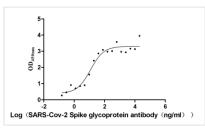
Image



(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 (V483A) at 5 μg/ml can bind human ACE2 (CSB-MP866317HU), the EC₅₀ is 196.4-272.1 ng/ml.



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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

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