

Recombinant Human COVID-19 Spike RBD protein

Cat. No. S-1453V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human COVID-19 Spike RBD protein was expressed in E. coli.
Species	COVID-19
Source	E.coli
Form	Lyophilized from a 0.2 µm filtered concentrated solution in 30% acetonitrile and 0.1% TFA.
Molecular Mass	Approximately 25.1 kDa, a single non-glycosylated polypeptide chain containing 223 amino acid residues.
AASequence	RVQPTESIVR FPNITNLC PF GEVFNATRF A SVYAWN RKRI SNCVADYSVL YNSASFSTFK CYGVSP TKLN DLCFTNVYAD SFVIRGDEV R QIAPGQTGKI ADYNYKLPDD FTGCVIAWNS NNLD SKVGGN YNYLYRLFRK SNLKPFERDI STEIYQAGST PCNGVEGFNC YFPLQSYGFQ PTNGVGYQPY RVVVLSFELL HAPATVCGPK KSTNLVK NKC VNF
Endotoxin	Less than 0.1 EU/µg of rSARS-CoV-2 Spike RBD as determined by LAL method.
Purity	> 90% by SDS-PAGE.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after

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reconstitution.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at $\leq -20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.

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