

Product Data Sheet

Recombinant COVID-19 S-trimer Protein (BF.7)

Catalog #	Source	Reactivity	Applications
CRP3146	Human cells	COVID-19	E, WB, SDS-PAGE, MS
Description	Recombinant COVID-19 S-trimer Protein is produced by the mammalian expression system and the target gene encoding Cys15-Gln1208 is expressed with a 6His tag at the C-terminus. T19I, LPP24-26del, A27S, HV69-70del, G142D, V213G, G339D, R346T, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, L452R, S477N, T478K, E484A, F486V, Q498R, N501Y, Y505H, D614G, H655Y, N679K, P681H, N764K, D796Y, Q954H, N969K mutations were identified in the COVID-19 variant (known as BF.7 lineage) which emerged in Europe. Six proline substitutions and furin cleavage site substitutions are introduced to stabilize the trimeric prefusion state of COVID-19 S protein and abolish the furin cleavage site, respectively.		
Form	Liquid in a 0.2 µm filtered solution of PBS, pH 7.4.		
Gene Symbol			
Alternative Names	SARS-CoV-2 S protein; SARS-CoV-2 Spike glycoprotein; SARS-CoV-2 S glycoprotein; SARS-CoV-2 S-trimer Protein		
Entrez Gene			
SwissProt	P0DTC2		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure			
Quality Control			
Directions for Use	Please minimize freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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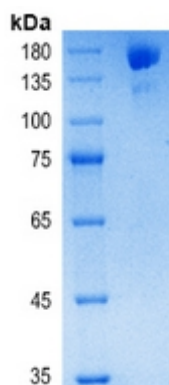
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