

SARS-CoV-2 (COVID-19) Spike S1 Protein, P.1 / Gamma variant, His tag (active)

Cat No. GTX136094-pro

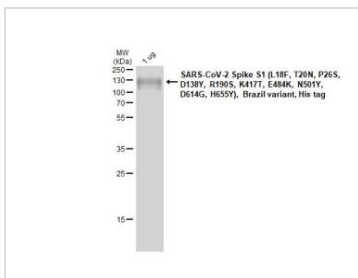
Application	Functional Assay
Species	SARS Coronavirus 2

Package
100 µg

PROPERTIES

Form	Lyophilized powder
Buffer	Reconstitute with distilled water. Lyophilized from PBS buffer.
Preservative	No Preservative
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Region/Sequence	SARS-CoV-2 Spike S1 of QHD43416.1 (1-685 a.a) with mutations (L18F, T20N, P26S, D138Y, R190S, K417T, E484K, N501Y, D614G, H655Y) and His tag at the C-terminus.
Expression System	HEK293 cells
Purity	>95%
Conjugation	Unconjugated
Note	For <i>In vitro</i> laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

DATA IMAGES

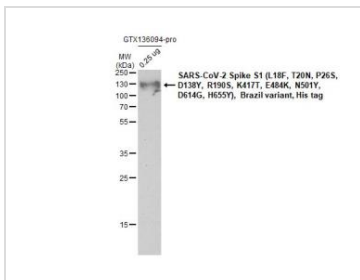


GTX136094-pro Image

1 µg of GTX136094-pro SARS-CoV-2 Spike S1 (L18F, T20N, P26S, D138Y, R190S, K417T, E484K, N501Y, D614G, H655Y), Brazil variant, His tag protein was analyzed using SDS-PAGE and stained with coomassie blue and captured by monochrome camera.

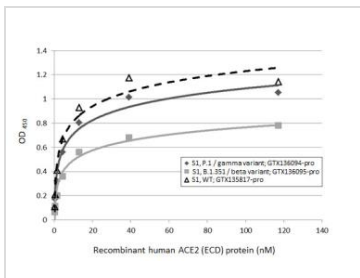


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GTX136094-pro Image

SARS-CoV-2 Spike S1 (L18F, T20N, P26S, D138Y, R190S, K417T, E484K, N501Y, D614G, H655Y), Brazil variant, His tag protein (GTX136094-pro, 0.5 µg) was separated by 12% SDS-PAGE, and the membrane was blotted with the SARS-CoV-2 (COVID-19) Spike RBD antibody [HL257] (GTX635692) diluted at 1:5000.



GTX136094-pro Functional Assay Image

Functional ELISA analysis of immobilized recombinant Spike S1 protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; B.1.351 beta variant; P.1 gamma variant) (coated at 2 µg/mL) binding to soluble recombinant Human ACE2 (ECD) protein, mouse IgG Fc tag (active) (GTX135683-pro) (0.16-117.19 nM). Bound protein was detected by Goat Anti-Mouse IgG antibody (HRP) (GTX213111-01) (1:10000).



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