



Recombinant COVID-19 Omicron RBD(G339D, S371L, S373P, S375F, K417N, N440K, G446S, S477N, T478K, E484A, Q493R, G496S, Q498R, N501Y, Y505H) protein, His-tagged

Spike-678V Lot. No. (See product label)

SPECIFICATION

Cat.No.	Spike-678V
Product Overview	Recombinant COVID-19 Omicron RBD(YP_009724390.1)(Arg319-Phe541)(G339D, S371L, S373P, S375F, K417N, N440K, G446S, S477N, T478K, E484A, Q493R, G496S, Q498R, N501Y, Y505H) protein, fused to His tag, was expressed in HEK293.
Source	HEK293
Species	COVID-19
Tag	His
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant SARS-CoV-2 (2019-nCoV) Spike RBD(G339D, S371L, S373P, S375F, K417N, N440K, G446S, S477N, T478K, E484A, Q493R, G496S, Q498R, N501Y, Y505H)-His Recombinant Protein consists of 234 amino acids and predicts a molecular mass of 26.6 kDa.
Protein length	Arg319-Phe541
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

☎ Tel: EU 0032 16 58 90 45 / UK 0044 20 3393 8531

☎ Email: info@gentaur.com

☎ Gentaur BV Voortstraat 49 - 1910 Kampenhout - BELGIUM

☎ Gentaur Ltd. 2nd Floor, Unicorn House, Station CI - Hertfordshire, Potters Bar EN6 1TL UK

For Research Use Only



Purity > 90 % as determined by SDS-PAGE

Storage

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name

S surface glycoprotein [Severe acute respiratory syndrome coronavirus 2]

Official Symbol

S

Synonyms

Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1; COVID-19 Omicron

Gene ID


43740568

Protein Refseq


YP_009724390.1

UniProt ID

P0DTC2

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