



[Go to Product page](#)

Datasheet for ABIN7448120
SARS-CoV-2 Spike Protein (Trimer, XBB.1.5 - Omicron)
(Biotin,His-Avi Tag)

Overview

Quantity:	200 µg
Target:	SARS-CoV-2 Spike
Protein Characteristics:	Trimer, XBB.1.5 - Omicron
Origin:	SARS Coronavirus-2 (SARS-CoV-2), SARS CoV-2 Omicron
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SARS-CoV-2 Spike protein is labelled with Biotin,His-Avi Tag.

Product Details

Purpose:	Biotinylated SARS-CoV-2 Spike Trimer Protein, His,Avitag™ (XBB.1.5/Omicron)
Characteristics:	<p>Biotinylated SARS-CoV-2 Spike Trimer Protein, His,Avitag (XBB.1.5/Omicron) is expressed from human 293 cells (HEK293). It contains AA Val 16 - Pro 1213 (Accession # QHD43416.1 (T19I, LPP24-26del, A27S, V83A, G142D, Y144del, H146Q, Q183E, V213E, G252V, G339H, R346T, L368I, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, V445P, G446S, N460K, S477N, T478K, E484A, F486P, F490S, Q498R, N501Y, Y505H, D614G, H655Y, N679K, P681H, N764K, D796Y, Q954H, N969K, R683A, R685A, F817P, A892P, A899P, A942P, K986P, V987P).</p> <p>The spike mutations are identified on the SARS-CoV-2 Omicron variant (Pango lineage: XBB.1.5). The recombinant protein is expressed from human 293 cells (HEK293) with T4 fibrin trimerization motif and a polyhistidine tag at the C-terminus. Proline substitutions (F817P, A892P, A899P, A942P, K986P, V987P) and alanine substitutions (R683A and R685A) are introduced to stabilize the trimeric prefusion state of SARS-CoV-2 S protein and abolish the furin cleavage site, respectively. Predicted N-terminus: Val 16</p>

Product Details

Endotoxin Level: 1.0 EU per μg

Target Details

Target: SARS-CoV-2 Spike

Abstract: [SARS-CoV-2 Spike Products](#)

Molecular Weight: 139.7 kDa

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: -20 °C

Storage Comment: For long term storage, the product should be stored at lyophilized state at -20°C or lower.
Please avoid repeated freeze-thaw cycles.
This product is stable after storage at:
-20°C to -70°C for 12 months in lyophilized state
-70°C for 3 months under sterile conditions after reconstitution.