

Datasheet for ABIN7013133

SARS-CoV-2 Spike Protein (B.1.621 - mu) (rho-1D4 tag)[Go to Product page](#)**2** Images

Overview

| | |
|-------------------------------|---|
| Quantity: | 100 µg |
| Target: | SARS-CoV-2 Spike |
| Protein Characteristics: | B.1.621 - mu |
| Origin: | SARS Coronavirus-2 (SARS-CoV-2), SARS CoV-2 Mu |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This SARS-CoV-2 Spike protein is labelled with rho-1D4 tag. |
| Application: | ELISA, Ligand Binding Assay (LBA) |

Product Details

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|------------------|--|
| Purpose: | This is the spike protein of the mutant strain B.1.621 (WHO variant of concern Mu). |
| Specificity: | Mutations that differ from "original" SPIKE protein: T95I, Y144S, Y145N, R346K, N501Y, D614G, P681H, D950N |
| Characteristics: | All viruses undergo fast mutations to adapt quickly to the host's immune response and boost infectivity. SARS-CoV-2, the causative agent of COVID-19, is no exception. Over the course of the COVID-19 pandemic several predominant novel strains have already been identified. The B.1.621 Mu variant was first detected in Colombia in January 2021 and was added to the WHO list of SARS-CoV-2 variants of interest in August 2021. |
| Purification: | affinity chromatography |
| Purity: | > 98% as determined by SDS-PAGE |

Target Details

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|-------------------|--|
| Target: | SARS-CoV-2 Spike |
| Alternative Name: | SARS2 Spike glycoprotein (SARS-CoV-2 Spike Products) |
| Target Type: | Viral Protein |
| UniProt: | P0DTC2 |

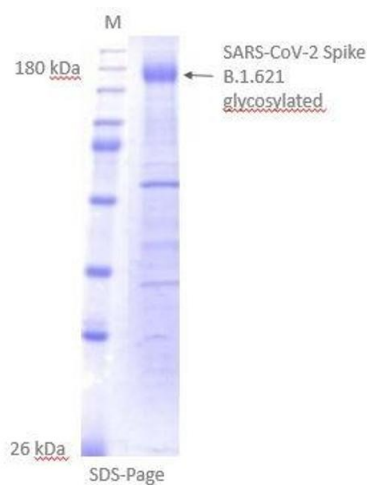
Application Details

| | |
|---------------|---|
| Comment: | <p>Further modifications:</p> <ul style="list-style-type: none">- furin cleavage site "682-RRAR SV-687" mutated to "682-GSAG PP-687"- C-terminal Rho1D4 tag fused with spacer "GSSG" to protein sequence <p>Size: 1284 amino acids (including Rho1D4 tag and linker) 141903 Da</p> |
| Restrictions: | For Research Use only |

Handling

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|------------------|---|
| Format: | Liquid |
| Buffer: | 20 mM Hepes pH 7.5; 150 mM NaCl, 0.001 % LMNG |
| Storage: | -80 °C |
| Storage Comment: | Store at -80°C. Avoid freeze-thaw cycles |

Images



SDS-PAGE

Image 1. SDS-Page of purified SPIKE in detergent mycelle.

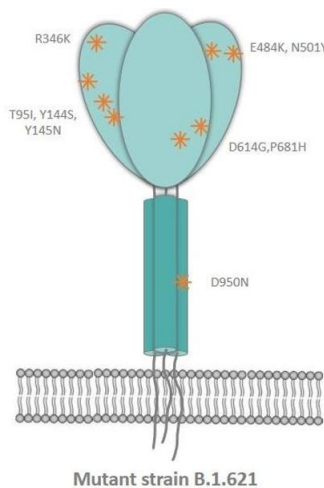


Image 2. SARS CoV-2 full-length Spike B.1.621 Mutation (Mu Mutant)