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Datasheet for ABIN7013125

SARS-CoV-2 Spike S1 Protein (B.1.617.1 - kappa) (His tag)

Overview

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|-------------------------------|--|
| Quantity: | 100 µg |
| Target: | SARS-CoV-2 Spike S1 |
| Protein Characteristics: | B.1.617.1 - kappa |
| Origin: | SARS Coronavirus-2 (SARS-CoV-2), SARS CoV-2 Kappa |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This SARS-CoV-2 Spike S1 protein is labelled with His tag. |

Product Details

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| Purpose: | SARS-CoV-2 Spike S1 (T95I, G142D, E154K, L452R, E484Q, D614G, P681R), His Tag |
| Specificity: | SARS-CoV-2 Spike S1 (T95I, G142D, E154K, L452R, E484Q, D614G, P681R) |
| Characteristics: | SARS-CoV-2 Spike S1, His Tag is expressed from human 293 cells (HEK293). It contains AA Val 16 - Arg 685 (Accession # QHD43416.1). The mutations (T95I, G142D, E154K, L452R, E484Q, D614G, P681R) were identified in the SARS-CoV-2 variants which emerged in India (known as B.1.617). |
| Purity: | >95 % as determined by reduced SDS-PAGE. |
| Endotoxin Level: | Less than 1.0 EU per µg by the LAL method. |

Target Details

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| Target: | SARS-CoV-2 Spike S1 |
|---------|---------------------|

Target Details

Abstract: [SARS-CoV-2 Spike S1 Products](#)

Target Type: Viral Protein

Background: It's been reported that Coronavirus can infect the human respiratory epithelial cells through interaction with the human ACE2 receptor. The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. S2 contains basic elements needed for the membrane fusion. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.

Molecular Weight: 77.0 kDa

NCBI Accession: [QHD43416](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Storage: -20 °C
