

SARS-CoV-2 S Protein RBD (N481D, HEK293, His)

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| Cat. No.: | HY-P77478 |
| Synonyms: | SARS-CoV-2 (2019-nCoV) Spike RBD (N481D)-His Protein |
| Species: | Virus |
| Source: | HEK293 |
| Accession: | YP_009724390 (R319-F541, N481D) |
| Gene ID: | 43740568 |
| Molecular Weight: | Approximately 35.3 kDa |

PROPERTIES

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| Appearance | Lyophilized powder. |
| Formulation | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. |
| Endotoxin Level | <1 EU/µg, determined by LAL method. |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| Shipping | Room temperature in continental US; may vary elsewhere. |

DESCRIPTION

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| Background | <p>SARS-Cov-2 is a enveloped positive-sense single-stranded RNA virus that causes COVID-19.</p> <p>SARS-CoV-2 possesses four structural proteins, namely the envelope protein (E), spike or surface glycoprotein (S), membrane protein (M), and nucleocapsid protein (N).</p> <p>The SARS-Cov-2 S glycoprotein is located on the exterior of the viral particle, giving the coronavirus its crown-like appearance.</p> <p>The SARS-Cov-2 S glycoprotein can mediate the attachment and entry of viral particles into host cells and is an important target for vaccine development, antibody therapy, and antigen-based diagnostic esting^{[1][2][3][4][5]}.</p> |
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA