9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-9759: Recombinant 2019-nCoV S-trimer Protein (Mammalian, D614G, C-6His)

Alternative Name : 2019-nCov S protein; 2019-nCoV Spike glycoprotein; 2019-nCoV S glycoprotein; SARS-nCoV-2 Spike glycoprotein

Description

Source : Human Cells;
The spike (S) glycoprotein of coronaviruses is known to be essential in the binding of the virus to the host cell at the advent of the infection process. Most notable is severe acute respiratory syndrome (SARS). The severe acute respiratory syndrome-coronavirus (SARS-CoV) spike (S) glycoprotein alone can mediate the membrane fusion required for virus entry and cell fusion. It is also a major immunogen and a target for entry inhibitors. It's been reported that 2019-nCoV 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.

Product Info

Amount : 500 µg / 50 µg

Content : Supplied as a 0.2 µM filtered solution of PBS, pH 7.4.

Amino Acid : Recombinant 2019-nCoV S-trimer Protein is produced by our Mammalian expression system and the target gene encoding Cys15-Gln1208(D614G) is expressed with a 6His tag at the C-terminus.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.