

DATASHEET

Version 20200410

SARS-CoV-2 S1 protein (His-tagged)**Cat. No.:** Z03485S**Size:** 10µg**Synonyms:** SARS-CoV-2 S1 protein(His-tagged) ;2019-nCoV S1 protein(His-tagged)**Source:** Human Cells**Species:** SARS-CoV-2**Biological Activity:** SARS-CoV-2 Spike protein (S1) can bind with Human ACE2 in functional ELISA assay.**Molecular Weight:** Predicted molecular weight: ~79 KD**Tag:** His tag**Formulation:** Liquid**Purity:** > 85% as analyzed by SDS-PAGE**Storage buffer:** PBS, pH 7.4, 10% Glycerol**Storage:** The product can be stored at -20°C or below. Avoid repeated freezing and thawing cycles. The shelf life of the product is unspecified.**Description:**

SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as 2019-nCoV (2019 Novel Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. SARS-CoV-2 Spike Protein is composed of S1 domain and S2 domain. S1 contains a receptor-binding domain (RBD) that can specifically bind to angiotensin-converting enzyme 2 (ACE2), the receptor on target cells. S protein plays an important role in the induction of neutralizing-antibodies and T-cell responses, as well as protective immunity.

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.