

COVID 19 Spike Protein S Coronavirus Active Protein | COVID-19 active protein

2019 nCoV/COVID19 Spike protein S Recombinant-His

CATALOG #	HOST
AAA14435	HEK cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)

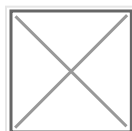
PRODUCT SYNONYMS

COVID 19 Spike Protein S Coronavirus; 2019 nCoV/COVID19 Spike protein S Recombinant-His; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Spike protein S; COVID-19 active protein

PRODUCT SPECIFICATIONS

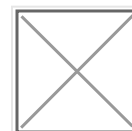
Host	HEK cells (Host protein expression may be lot-specific and can be subject to change during production, including bulk orders)
Purity/Purification	>90% by SDS-PAGE
Form/Format	Lyophilized from sterile solution of pH 7.4
Sequence Positions	16-1220
Source	DNA sequence encoding extracellular fragment [16-1220] of NCOV Spike [accession # QIC53204.1] was expressed in HEK cells.
Endotoxin	Less than 1EU/ug s determined by LAL method.
Preparation and Storage	Lyophilized -20°C for up to 24 months. Lyophilized at ambient temperature for up to 3 weeks. Reconstituted -20°C for up to 12 months Reconstituted 2-8°C for up to 3 weeks. For long term storage we recommend the addition of a carrier protein at 0.1%. Avoid freeze and thaw cycles.

IMAGES



Application Data

The activity was determined by binding with immobilized Human ACE2 at 2ug/ml, 100ul/well in a functional ELISA assay with a linear range of 0.5-1ug/ml



SDS-PAGE

SDS-PAGE run under reducing conditions.

ADDITIONAL INFORMATION

Related Product Information for COVID-19 active protein	Recombinant NCOV S encodes the NCOV spike glycoprotein S sequence. This molecule has calculated mass of approximately 100kDa. Recombinant S contains an C terminal polyHis purification tag and migrates due to glycosylation as an approximately 120kDa protein under reducing conditions in SDS-PAGE.
Product Categories/Family for COVID-19 active protein	2019-nCoV/COVID-19 Coronavirus; Viral Antigens

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.