

2019 nCoV/COVID19 RBD Active Protein | 2019nCoV/COVID19 active protein

2019 nCoV/COVID19 RBD Recombinant-hFc

CATALOG #	HOST
AAA76380	CHO cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)

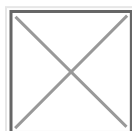
PRODUCT SYNONYMS

2019 nCoV/COVID19 RBD; 2019 nCoV/COVID19 RBD Recombinant-hFc; NCOVRBD; 2019nCoV/COVID19 active protein

PRODUCT SPECIFICATIONS

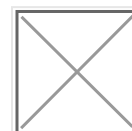
Host	CHO cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)
Purity/Purification	>95%, as determined by SDS-PAGE and HPLC
Form/Format	Recombinant COVID-19 RBD (Receptor Binding Domain) protein was lyophilized from 0.2 um filtered 20 mM Tris, 300 mM NaCl, 10 % glycerol, pH 8.0.
Source	DNA sequence encoding the COVID-19 RBD protein domain [319-541] of NCOV spike S protein[accession# 6VSB_A]including a C-terminal Human IgG1 tag was expressed in CHO Cells.
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Biological Activity	The activity was tested by binding Human ACE2 in functional ELISA assay.
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers
Preparation and Storage	The lyophilized protein is stable for at least 2 years from date of receipt at -20 degree C

IMAGES



Application Data

SARS COV-2 Spike S RBD-human Fc HPLC The purity of 2019-nCoV Spike RBD Fc is greater than 95% as determined by SEC-HPLC.



SDS-PAGE

SARS COV-2 S protein RBD SDS PAGE The recombinant RBD-hFc protein migrates as 70kDa due to glycosylation

ADDITIONAL INFORMATION

Product Categories/Family for 2019nCoV/COVID19 active protein	Viral Antigens; 2019-nCoV; COVID-19 Coronavirus
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NCBI AND UNIPROT INFORMATION

Molecular Weight	Recombinant 2019-nCoV RBD protein is a protein consisting of 460 amino acid residues, due to glycosylation migrates as an approximately 70 kDa protein on SDS-PAGE.
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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.

