

Certificate of Testing

For Research Use Only – Not for Human Use

Protein Name: SARS-CoV-2_DB_his (monomeric RBD)
 Lot Number: 20200330
 Date of Manufacture: 20200330
 Final Formulation: 50mM Tris 185mM NaCl 100mM Arginine 4.5% glycerol 0.75%
 Chaps pH 7.0
 Dilution Recommendation: N/A
 Storage Condition: 2-8°C or -80°C

Test	Result
Appearance	Clear solution, with no particles present
Protein Concentration (A_{280})	0.47 mg/mL (Ext. coefficient 33850 Abs 0.1% (=1 g/l) 1.245)
SDS-PAGE Coomassie Blue Stain, Non-Reduced	Band at expected MW >99% purity
SEC-HPLC	Peak at expected retention time, no aggregate or fragment observed. >95% purity
Binding Assay	Binds as expected

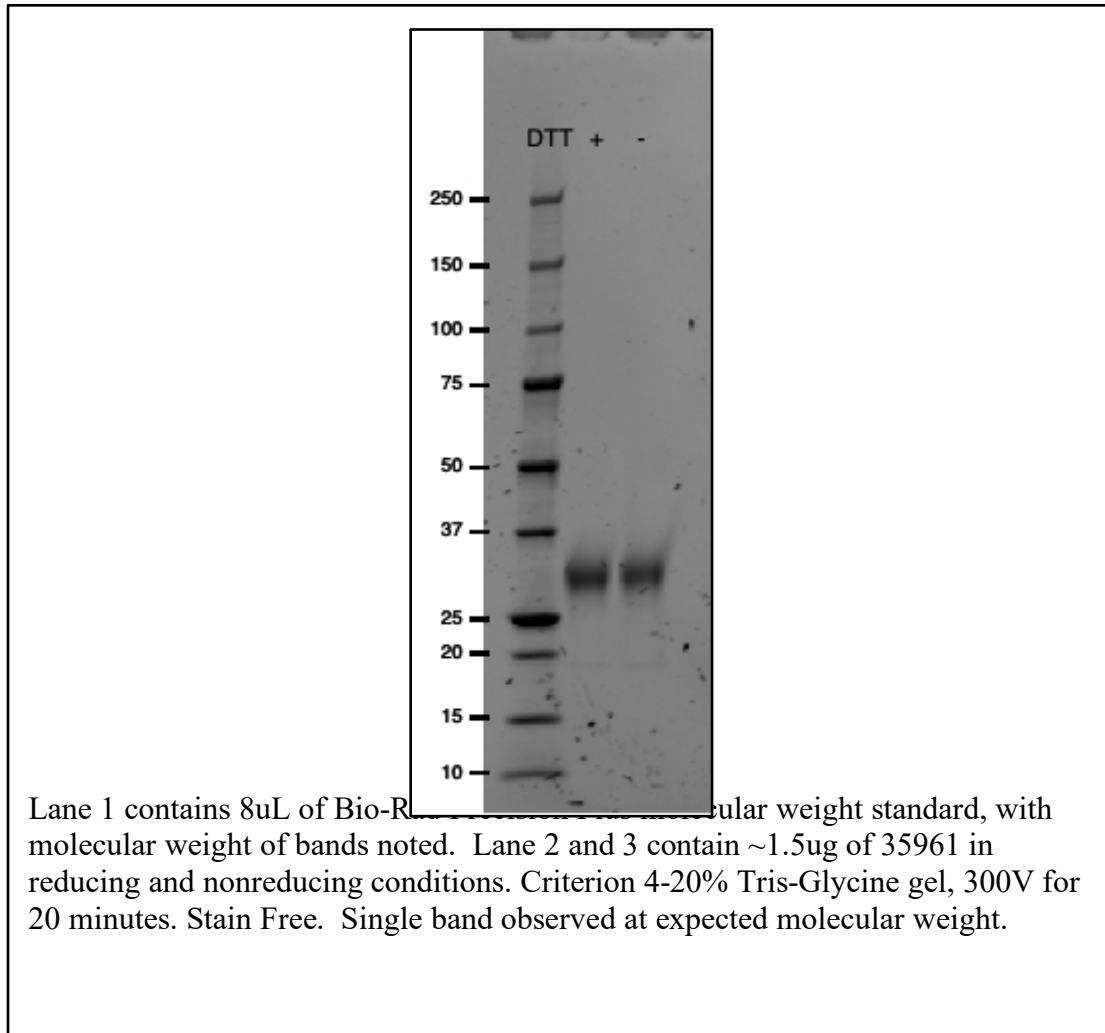
Signature:  _____

Title: RS Principal Date: 20200330

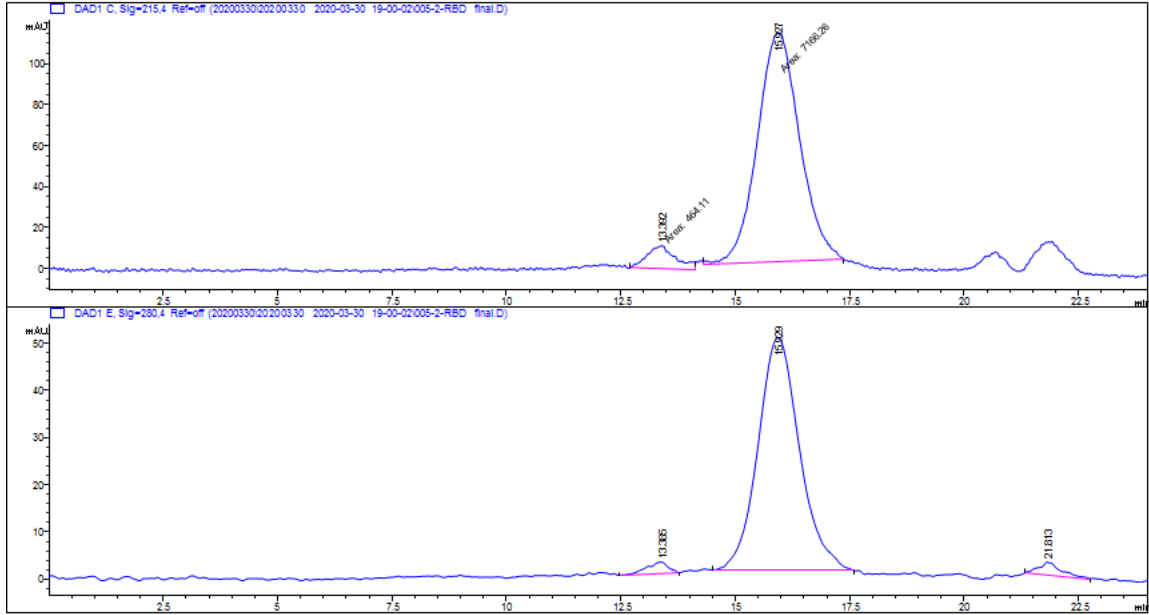
Attachments:

1. SDS-PAGE – nonreducing
2. SEC-HPLC chromatogram
3. Binding Assay

Attachment 1. SDS-PAGE

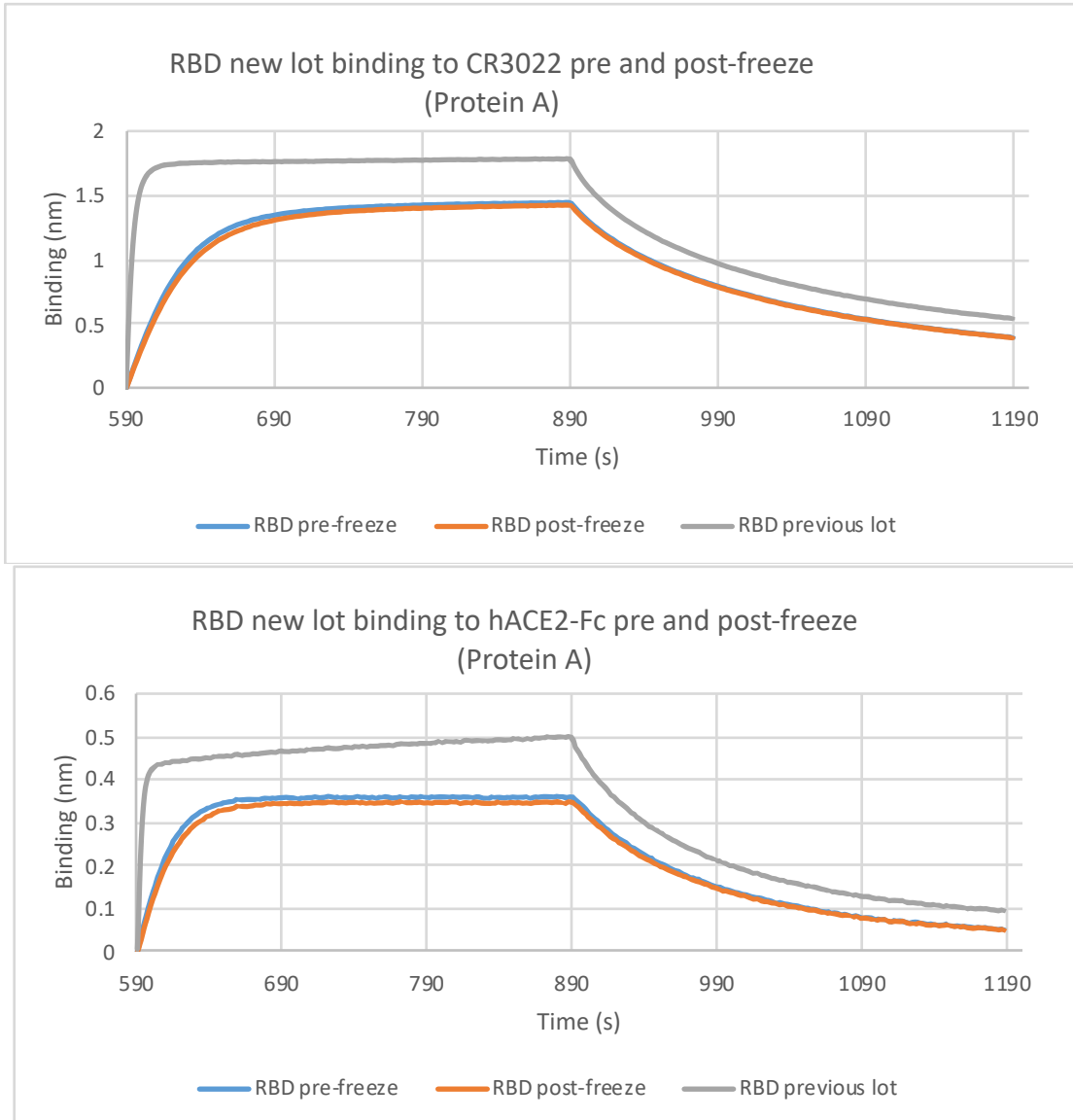


Attachment 2. SEC-HPLC



Major peak at expected retention time. GE Healthcare Superose 6 Increase, 1mL/min, 20mM Tris 150mM NaCl pH 7.4.

Attachment 3. Binding Assay



Octet analysis shows soluble receptor binding domain binds to CR3022 and hACE2 as expected. Binding affinity of soluble receptor binding domain remains constant before and after flash freezing.

Attachment 4. Amino Acid Sequence

MGILPSPGMPALLSLVSLLSVLLMGCVAETGTRFPNITNLCPFGEVFNAT
RFASVYAWNRKRISNCVADYSVLYNSASFSTFKCYGVSP TKLNDLCFTNV
YADSFVIRGDEV RQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNLDSKV
GGNYNYLYRLFRKSNLKPFERDISTEIQAGSTPCNGVEGFNCYFPLQSY
GFQPTNGVGYQP YRVVLSFELLHAPATVCGPKKSTHHHHHHHHH