



## Product: RBD-(S477N)-6xHis purified recombinant protein Catalog N.: PR0022

### 1. Application

Application

-ELISA and Western Blot

For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in human or animals.

### 2. Product description

**Region/sequence:** SARS-CoV-2, RBD region, aa 351-541, 6xHis tag at C-terminus, S477N mutation

**Calculated MW:** 26.0 KDa

**Expression Host:** HEK293 cells

**Form:** Liquid

**Concentration:** 0,90 mg/ml (UV abs)

**Purity** >95%

**Conjugation:** Unconjugated

**Endotoxin:** <0,01EU/mg

**Quantity:** 100 ug

**Buffer:** Phosphate Buffered Saline (pH 7,4)

**Storage:** Store as concentrated solution. Centrifuge briefly before opening vial. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

SISTEMA DI GESTIONE  
QUALITÀ CERTIFICATO

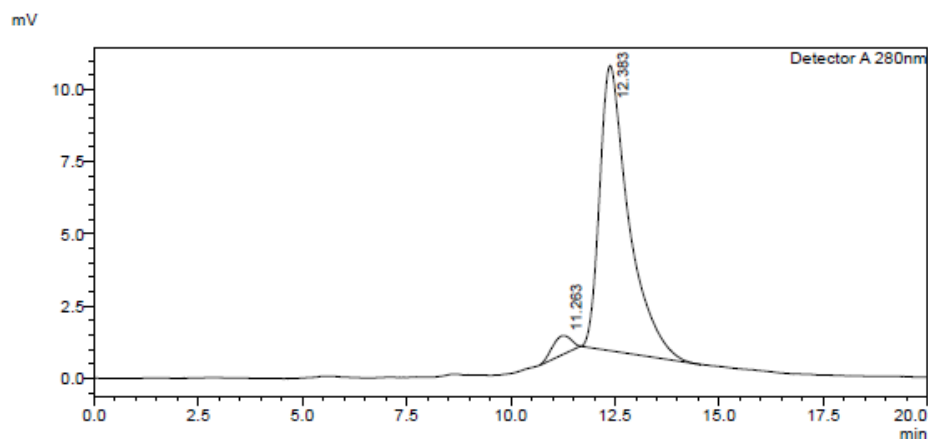


UNI EN ISO 9001:2015

FOR RESEARCH USE ONLY

Page 1/3

## 3. SEC-HPLC



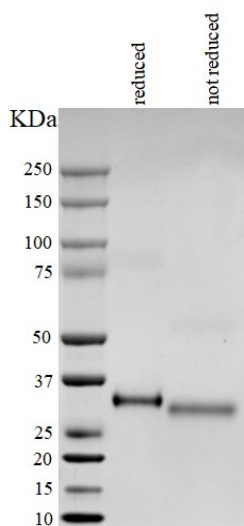
Detector A 280nm

Peak#	Ret. Time	Area	Area%
1	11.263	20720	4.14
2	12.383	480072	95.86
Total		500793	100.00

Result: aggregates <10%

## 4. SDS-PAGE

Non-reducing / Reducing SDS-PAGE Loading :



RBD-(S477N)-6xHis

SISTEMA DI GESTIONE  
QUALITÀ CERTIFICATO

**CQY**  
CERTIQUALITY

UNI EN ISO 9001:2015

FOR RESEARCH USE ONLY

Page 2/3

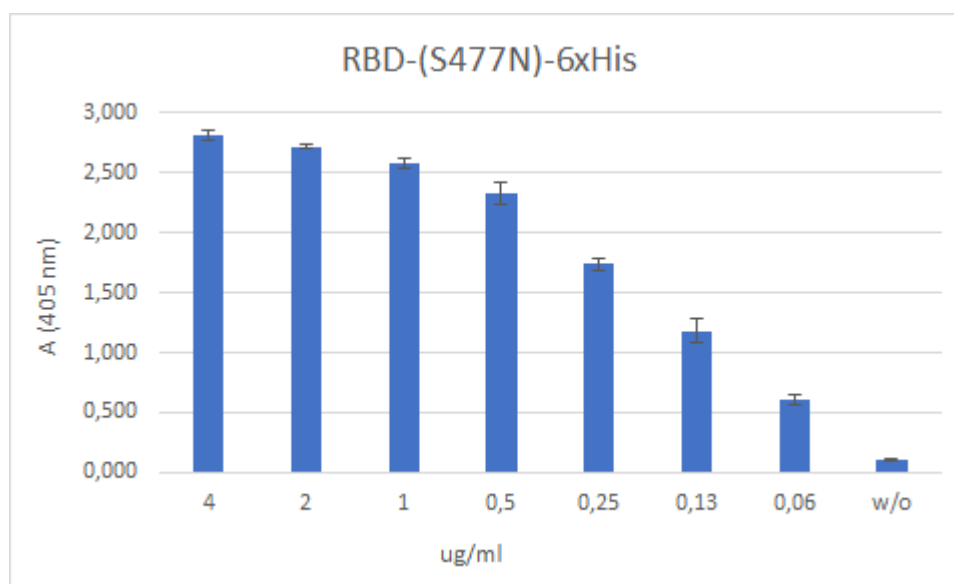
## 5. ACE2-hFc binding

**COATING:** RBD-6His 1ug/ml in PBS 1x, 50 ul/well, ON 4°C

**PROTEIN BINDING:** ACE2-hFc in scalar dilutions, in 1% BSA, ON 4°C

**DETECTION:** anti-Human, AP conjugated

**DEVELOPMENT:** AP substrate, 1h RT, abs at 405 nm



SISTEMA DI GESTIONE  
QUALITÀ CERTIFICATO

**CQY**  
CERTIQUALITY

UNI EN ISO 9001:2015

FOR RESEARCH USE ONLY

Page 3/3