

Product Datasheet

SARS-CoV-2 (COVID-19) Spike RBD domain Recombinant Protein (orb1231075)

Description

SARS-CoV-2 (COVID-19) Spike RBD domain Recombinant Protein

Target

S

Preservatives

50 mM Tris-HCl pH 7.5, 270 mM Sucrose, 150 mM NaCl, 0.1 mM EGTA, 0.1 % 2-mercaptoethanol, 0.03 % Brij-35

Form/Appearance

Liquid

Concentration

batch dependent

Storage

Store at -70 °C. Avoid repeated freeze-thaw cycles.

Tag

N-Term MBP Uncleaved

Note

For research use only

Protein Sequence

Native

Sequence:MKIEEGKLVWINGDKGYNGLAIEVGKKFEKDTGIKVTVEHPDKLEEK
FPQVAATGDGPDIIIFWAHDFGGYASGLLAEITPDKAFQDKLYPFTWDAVRYN
GKLIAYPIAVEALSLIYNKDLLPNPPKTWEEIPALDKELKAKGKSALMFNLQEPYFT
WPLIAADGGYAFKYENGKYDIKDVGVNDNAGAKAGLTFLVDLIKHKHMNADTDYS
IAEAAFNKGETAMTINGPWAWSNIDTSKVNYGVTVLPTFKGQPSKPFVGVLSAGI
NAASPNKELAKEFLENYLLTDEGLEAVNKDKPLGAVALKSYEEELVKDPRIAATM
ENAKQGEIMPNIQMSAFWYAVRTAVINAASGRQTVDEALKDAQTNSSSSNNNN
NNNNNNLGDDDDKVPEFLEVLFGQPLGSRVQPTESIVRFPNITNLCPFGEVFNAT
RFASVYAWNRRKRISNCVADYSVLYNSASFSTFKCYGVSPTKLNDLCFTNVYADSF
VIRGDEVQRQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNLDSKVGNGNYLYR
LFRKSNLKPFERDISTEIQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYR
VVVLSFELLHAPATVCGPKKSTNLVKNKCVNF
Amino acids R319 – F541 (end residue T1273).Residue R404 of the fusion protein is equivalent to R319 of the native enzyme.The MBP tag is located at residues 1 – 367.Protease Cleavage:PreScission (LEVLFQGP) residues 393 – 400

Purity

Amylose resin (0.5)

Source

bacteria

MW

Mono-Isotopic Mass: 69, 293.75 daltons Average Mass: 69, 337.32 daltons

Uniprot ID

[P0DTC2](#)

NCBI

[QHD43416.1](#)

Expiration Date

6 months from date of receipt.