

Product Data Sheet – Recombinant Antigen

Name of product	SARS-CoV-2 Spike Ectodomain (S1-S2)
Order No.	BA400R03
Lot No.	Lot specific
Source	Recombinant protein, expressed in insect cells
Product description	Spike glycoprotein ectodomain (spikes comprised of multiple S1 and S2 domains) of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2). Molecular weight: 135 kDa.
Affinity tag	Strep-tag
Purification	By chromatography
Presentation	The protein is presented in a buffer formulation containing HEPES/NaOH, NaCl, arginine and 10 % glycerol at pH 10.
Storage	-65 °C or below. Avoid repeated freeze-thaw cycles.
Date of manufacture	Lot specific
Expiry	10 years from date of manufacture (when stored under recommended conditions)
Manufacturer	Institut Virion\Serion GmbH, Germany

For research or manufacturing use only. Not for use in diagnostic procedures.

2021-02-22

Analysis:

Test	Method	Specification
Protein concentration	UV absorption measurement (280 nm)	0.5 – 2 mg/mL
Identity / Purity	SDS-PAGE (reducing)	Major bands comparable to Reference Standard
Immunoreactivity	SERION ELISA agile SARS-CoV-2 IgG (ESR400G)	QC serum panel (multiple negative, borderline and positive sera) within defined reactivity range
Bioburden	Membrane filtration test	≤ 100 cfu/mL