

## Product datasheet

# Recombinant SARS spike glycoprotein (Coronavirus) ab49046

## 2 References

### Description

<b>Product name</b>	Recombinant SARS spike glycoprotein (Coronavirus)
<b>Purity</b>	> 90 % SDS-PAGE. Purified by affinity chromatography.
<b>Expression system</b>	Escherichia coli
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Sequence</b>	RVDFCGKGYH LMSFPQAAPH GVVFLHVTYV PSQERNFTTA PAICHEGKAY FPREGVFVFN GTSWFITQRN FFSPQIITD NTFVSGNCDV VIGIINNTVY DPLQPELDSF KEELDKYFKN HTSPDVDLGD ISGINASVVN IQKEIDRLNE VAKNLNESLI DLQELGKYEQ YIKWPWYVWL GFIAGLIAV MVTILLCCMT SCCSCLKGAC SCGSCCKFDE DDSEPVKGV KLHYT
<b>Predicted molecular weight</b>	27 kDa
<b>Tags</b>	His tag C-Terminus
<b>Additional sequence information</b>	E. coli recombinant containing Spike protein immunodominant regions Fusions Six histidines. This protein is from the Spike protein S1 region.

### Specifications

Our **Abpromise guarantee** covers the use of **ab49046** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	ELISA Western blot
<b>Form</b>	Liquid

### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -80°C.
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Avoid freeze / thaw cycle.

pH: 7.20

Constituents: 9% Urea, 0.32% Tris HCl, 50% Glycerol (glycerin, glycerine)

## General Info

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### Relevance

A novel coronavirus has been identified as the causative agent of SARS (Severe Acute Respiratory Syndrome). Coronaviruses are a major cause of upper respiratory diseases in humans. The genomes of these viruses are positive stranded RNA approximately 27 to 31kb in length. SARS infection can be mediated by the binding of the viral spike protein, a glycosylated 139 kDa protein and the major surface antigen of the virus, to the angiotensin converting enzyme 2 (ACE2) on target cells. This binding can be blocked by a soluble form of ACE2.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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