

Product datasheet

Recombinant Human coronavirus SARS Nucleocapsid Protein ab270829

Description

Product name	Recombinant Human coronavirus SARS Nucleocapsid Protein	
Purity	> 95 % SDS-PAGE.	
Expression system	Escherichia coli	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human coronavirus	
Sequence	Contains Nucleocapsid Protein 1-49, 192-220 amino acids immunodominant regions. The 2 regions are separated with 3 glycine residues.	
Predicted molecular weight	32 kDa	
Additional sequence information	SARS Coronavirus Nucleocapsid Protein (N-Term, Mid) Contains Nucleocapsid Protein 1-49, 192-220 amino acids immunodominant regions The 2 regions are separated with 3 glycine residues	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab270829** in the following tested applications.

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

Applications	SDS-PAGE
	ELISA
	Western blot
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
	pH: 7
	Constituents: 0.35% Sodium chloride, 50% Glycerol (glycerin, glycerine), 0.79% Tris HCl

General Info

Relevance

Severe Acute Respiratory Syndrome (SARS), an emerging disease characterized by atypical pneumonia, has recently been attributed to a novel coronavirus (SARS-CoV). SARS is caused by a human coronavirus, which are the major cause of upper respiratory tract illness in humans, such as the common cold. Coronaviruses are positive stranded RNA viruses, featuring the largest viral RNA genomes known to date (27-31 kb). The spike protein is the main surface antigen of the coronavirus. The most prominent protein in the culture supernatants infected with SARS virus is a 46 kDa nucleocapsid protein. This suggests that the nucleocapsid protein is a major immunogen that may be useful for early diagnostics. The nucleocapsid protein of SARS shares little homology with nucleocapsid proteins of other members of the coronavirus family. Nucleocapsid proteins of other coronavirus have been reported to be involved in forming the viral core and also in the packaging and transcription of the viral RNA.

Cellular localization

Inside the virion, complexed with the viral RNA. May be associated with cellular membranes where it participates in viral RNA synthesis and virus budding.

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

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