

Recombinant SARS-Associated Coronavirus Nucleocapsid (aa 1-49)

Catalog No.	CSI13606	Quantity:	100 µg
Alternate Names:	SARS-ACN/2		
Description:	The SARS-ACN/2 protein contains the Nucleocapsid protein immunodominant fragments, amino acids: 1-49. SARS (Severe Acute Respiratory Syndrome) Coronavirus is an enveloped virus containing three outer structural proteins, namely the membrane (M), envelope (E), and spike (S) proteins. The nucleocapsid (N) protein together with the viral RNA genome presumably form a helical core located within the viral envelope. The SARS-CoV nucleocapsid (N) protein is a 423 amino-acid, predicted phosphoprotein of 46 kDa that shares little homology with other members of the coronavirus family. A short serine-rich stretch, and a putative bipartite nuclear localization signal are unique to it, thus suggesting its involvement in many important functions during the viral life cycle.		
Specificity:	Immunoreactive with sera of SARS infected individuals.		
Source:	<i>E. coli</i>		
Molecular Weight:	32 kDa		
Formulation:	50 mM Tris-HCl, 60 mM NaCl and 50% glycerol		
Purity:	> 95% by SDS-PAGE		
Purification:	SARS-ACN is purified by proprietary chromatographic techniques.		
Applications:	Recombinant SARS-ACN Antigen may be used in ELISA and Western blots, excellent for detection of SARS with minimal specificity problems.		
Storage & Stability:	Store at -80°C for up to 1 year. Upon initial thaw, prepare aliquots and store at -80°C. Avoid freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.