

### Certificate of Analysis

<b>Name:</b>	SARS Coronavirus Nucleoprotein (Full Length).
<b>Product code:</b>	REC31749-5 REC31749-20
<b>Batch #:</b>	
<b>Description:</b>	Recombinant protein produced in E. coli with N-terminal fusion His-tag. Fusion protein is 47.8 kDa containing 422 amino acid residues of the SARS-CoV Nucleocapsid protein and 15 additional amino acid residues.
<b>Sequence:</b>	MRGSHHHHHHGMASHMSDNGPQSNQRSAPRITFGGPTDSTDNNQNGGRN GARPQRRPQGLPNNTASWFTALTQHGKEELRFPRGQGVPINTNSGPDDQI GYRRATRRVRGGDGKMKELSPRWYFYLLGTGPEASLPYGANKEGIVW VATEGALNTPKDHIGTRNPNNNAATVLQLPQGTTLPKGFYAEGSRGGSQA SSRSSSRGNSRNSTPGSSRGNSPARMASGGGETALALLLLDRLNQLESK VSGKGQQQQGQTVTKKSAEASKKPRQKRTATKQYNVTQAFGRRGPEQT QGNFGDQDLIRQGTDYKHWPQIAQFAPSASAFFGMSRIGMEVTPSGTWLT YHGAIKLDDKDPQFKDN-
<b>Amount:</b>	5µg 20µg
<b>Formulation:</b>	Sterile filtered and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH4.0.
<b>Solubility:</b>	Add 0.2 ml of 0.1M Acetate buffer pH4.0 and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10µg/ml. In higher concentrations the solubility of this antigen is limited.
<b>Purity:</b>	> 95% as determined by SDS-PAGE.
<b>Presentation:</b>	Lyophilised.
<b>Applications:</b>	Antigen in immunoassays, Western blot. For Research Use Only.

## Usage guidelines

**Storage:** Store lyophilized protein at -20°C.  
Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.  
Reconstituted protein can be stored at 4°C for a limited period of time.  
Protein does not show any change after two weeks at 4°C.

