

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 32-17108: Recombinant Nucleocapsid protein with C-terminal 6×His tag

Alternative Name: Nucleocapsid protein, NP, Protein N

## **Description**

Expression Host: HEK293

The protein has a predicted molecular mass of 46.6 kDa after removal of the signal peptide.

Coronavirus contain most of nucleocapsid protein. Coronavirus nucleoproteins (N proteins) localize to the cytoplasm and the nucleolus, a subnuclear structure, in both virus-infected primary cells and in cells transfected with plasmids that express N protein. The nucleolus is the site of ribosome biogenesis and sequesters cell cycle regulatory complexes. Two of the major components of the nucleolus are fibrillarin and nucleolin. These proteins are involved in nucleolar assembly and ribosome biogenesis and act as chaperones for the import of proteins into the nucleolus. Regarding of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is a tool for diagnostic.

## **Product Info**

**Amount:** 50 μg

**Purification:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

staining.

Content: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants

before lyophilization.

**Storage condition:** Store at -80°C for 12 months (Avoid repeated freezing and thawing)

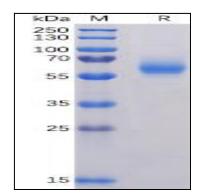


Figure 1. SARS-CoV-2 (2019-nCoV) Nucleocapsid Protein, His Tag on SDS-PAGE under reducing condition.