

SARS-COV-2 (DELTA) NUCLEOCAPSID, C-HIS TAG

货号: 11453

产品全名: SARS-CoV-2 (Delta) Nucleocapsid

规格: 10/50/100 µg

基因符号 Nucleocapsid protein;P;rotein N;elta (B.1.617.2)

目标蛋白: Nucleocapsid

UNIPROT ID: P0DTC9

描述: "Recombinant SARS-CoV-2 Nucleocapsid (D63G

背景: 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.

物种/宿主: HEK293

分子量: The protein has a predicted molecular mass of 46.6 kDa after removal of the signal peptide. The apparent molecular mass of Nucleocapsid (D63G, R203M, D377Y)-His is approximately 55-70 kDa due to glycosylation.

分子特征: Nucleocapsid (D63G, R203M, D377Y)(Met1-Ala419) 6×His tag

纯化: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

储存和运输: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

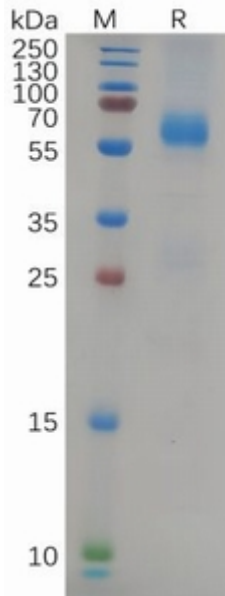


Figure 1. SARS-CoV-2 Nucleocapsid (D63G, R203M, D377Y) Protein, His Tag on SDS-PAGE under reducing condition.