SARS-CoV Nucleoprotein / NP Protein (His Tag)

Catalog_no：	AD-PD400034
Category：	冠状病毒产品
Size：	100μg
Specificity：	SARS
Source：	Baculovirus-Insect Cells
Storage_stability：	Samples are stable for up to twelve months from date of receipt at -20℃ to -80℃ Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Molecular Weight：	The recombinant SARS-CoV nucleoprotein comprises 433 amino acids and has a predicted molecular mass of 47.5 kDa. The apparent molecular mass of the protein is approximately 47.1 kDa in SDS-PAGE under reducing conditions.
Background：	Coronaviruses are enveloped viruses with a positive-sense RNA genome and with a nucleocapsid of helical symmetry. Coronavirus nucleoproteins 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. Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. During virion assembly, N protein binds to viral RNA and leads to formation of the helical nucleocapsid. Nucleocapsid protein is a highly immunogenic phosphoprotein also implicated in viral genome replication and in modulating cell signaling pathways. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.
缓冲液：	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refe
运输及保存条件：	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise
classification_1：	coronavirus NP Protein, SARS; coronavirus Nucleocapsid Protein, SARS; coronavirus Nucleoprotein Protein, SARS; cov np Protein, SARS; ncov NP Protein, SARS; novel coronavirus NP Protein, SARS; novel coronavirus Nucleocapsid Protein, SARS; novel corona
purity：	> 80 % as determined by SDS-PAGE
reference：	1. 1.Van Boheemen S, et al. (2012), MBio. 3(6):e00473-12. 2. Bisht H. et al., 2004, Proc Natl Acad Sci. 101 (17): 6641-6. 3. Li W. et al., 2005, Science. 309 (5742): 1864-8.
内毒素：	< 1.0 EU per μg of the protein as determined by the LAL method
生物活性：	Testing in progress