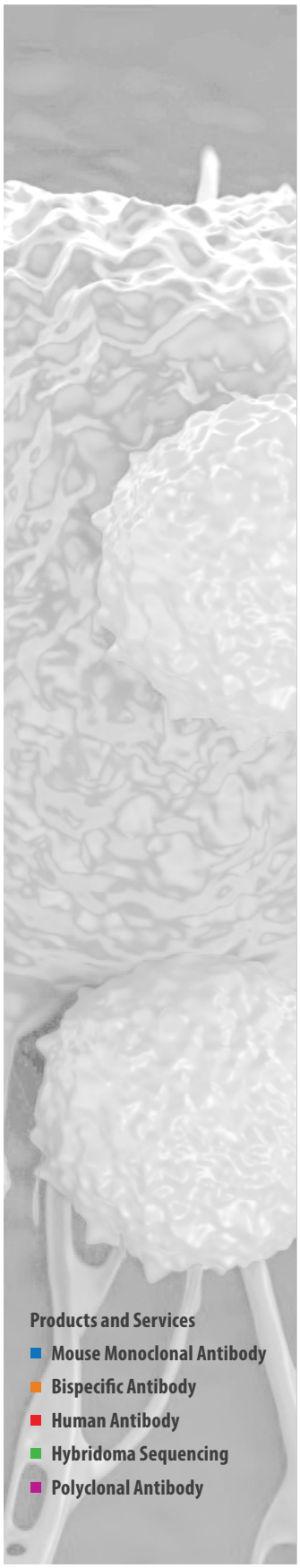
ProMab Biotechnologies, Inc.

RECOMBINANT NUCLEOCAPSID PROTEIN (HIS TAG)

PMC-826

Ready-to-use Recombinant Proteins



Products and Services

- Mouse Monoclonal Antibody
- Bispecific Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody

Promab Biotechnologies' new product development programs are being designed for COVID-19 research and development.

Order Information

Catalog#	Size	Price
Pr40001	25ug	$300.00

Description

The nucleocapsid protein is a structural protein that binds to the coronavirus RNA genome, thus creating a shell/capsid around the enclosed nucleic acid.

The fragmented nucleocapsid or N protein (amino acids 1-180) was designed with a His tag.

Specifications

Gene ID	MN908947.3
Expression Host	E. coli, bacterial
Species	E. coli BL21
Molecular Weight	27 kDa
Sequence	1-180aa
Formulation	Sterile PBS
Purity	>95% visualized by SDS-PAGE under reducing conditions
Storage	Store at -20°C to -80°C. Avoid repeated freezing/thawing cycles. Thawed protein can be stored at 4°C for a limited period of time.

Application

SDS-PAGE, ELISA, WB, other biochemical assays such as high-throughput screening of small molecule drugs, antibodies, phage display assay.

References

Kruse R. Therapeutic strategies in an outbreak scenario to treat the novel coronavirus originating in Wuhan, China. 2020. F1000Research, 9:72 Last updated: 31 JAN 2020

Xintian Xu, Ping Chen, Jingfang Wang, Jiannan Feng, Hui Zhou, Xuan Li, Wu Zhong, & Pei Hao. Evolution of the novel coronavirus from the ongoing Wuhan outbreak and modeling of its spike protein for risk of human transmission. 2020. Sci China Life Sci 63, https://doi.org/10.1007/s11427-020-1637-5

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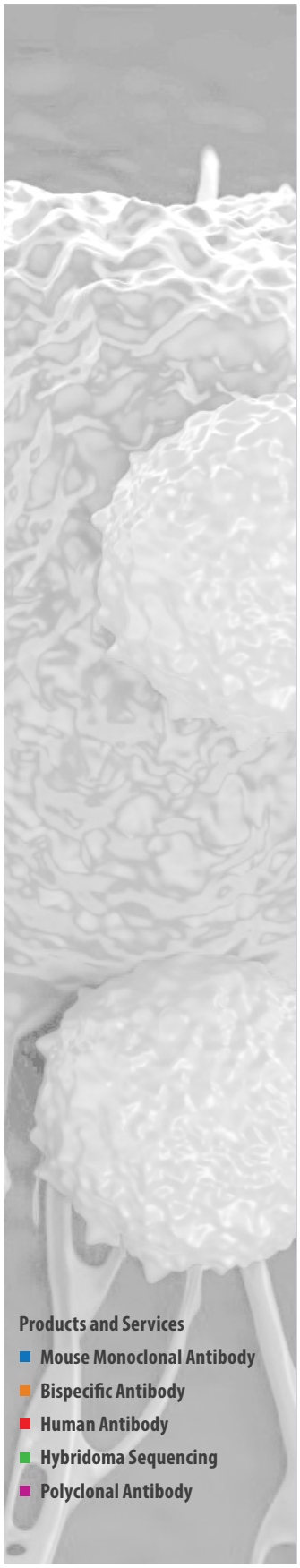

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Data

SDS-PAGE

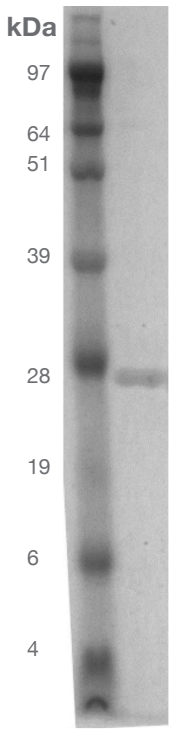

Figure 1. SDS page of recombinant NP1-His. The band was confirmed by Western blot with anti-His tag antibody (not shown).

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