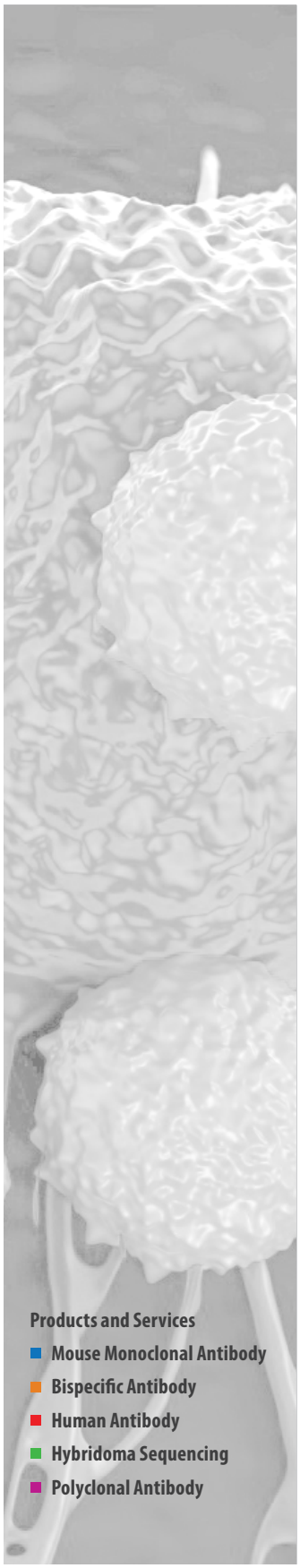
ProMab Biotechnologies, Inc.

RECOMBINANT SPIKE PROTEIN RBD (HIS-TAG)

PMC-840

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
Pr40005	100ug	$399

Description

The spike protein (S) of coronavirus (CoV) attaches the virus to its cellular receptor, angiotensin converting enzyme 2 (ACE2). A defined receptor-binding domain (RBD) on Spike protein mediates interaction with ACE-2. The Spike protein plays key steps in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.

RBD protein of CoV containing 330-524 amino acids of Spike protein was designed with a His tag.

Specifications

Gene ID	MN908947.3
Expression Host	HEK293 suspension cells
Species	Human
Molecular Weight	27 kDa
Sequence	330-524aa
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-through-put 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

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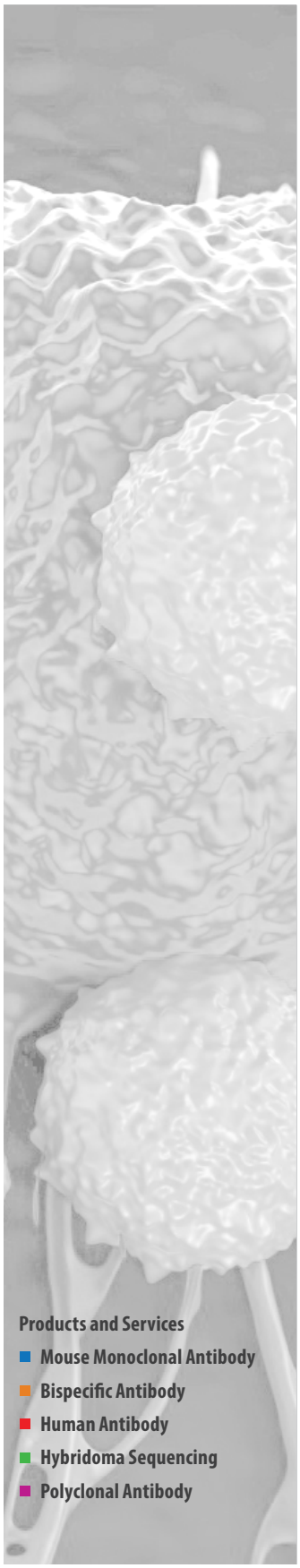

Data

SDS-PAGE

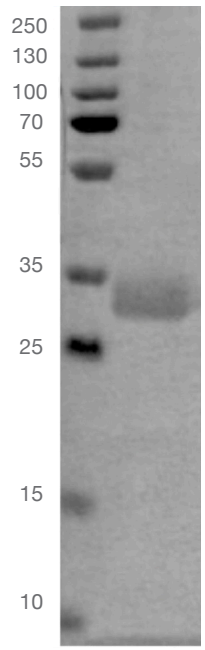

Figure 1. Expression of recombinant RBD-His. Protein were generated using 293S human cells, purified from supernatants and run on SDS gel at reducing conditions.

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