

RECOMBINANT HUMAN ACE-2 PROTEIN (HIS TAG)

Ready-to-use Recombinant Proteins

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

Order Information

Catalog#	Size	Price
Pr40009	100ug	\$399

Description

The encoded protein is a functional receptor for the spike glycoprotein of the human coronaviruses SARS, the human respiratory coronavirus NL63 and is also a receptor for 2019-nCoV RBD protein.

The ACE-2 protein encoded by this gene belongs to the angiotensin-converting enzyme family of dipeptidyl carboxydipeptidases and has considerable homology to human angiotensin 1 converting enzyme. This membrane protein catalyzes the cleavage of angiotensin I into angiotensin 1-9, and angiotensin II into the vasodilator angiotensin 1-7. The organ- and cell-specific expression of this gene suggests that it may play a role in the regulation of cardiovascular and renal function, as well as fertility.

This ACE-2 protein was designed full length spanning from amino acids 1-615 and has a His tag.

Specifications

Gene ID	Q9BYF1.2
Expression Host	CHO
Species	Human
Molecular Weight	95 kDa
Sequence	1-615aa
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>

Products and Services

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

RECOMBINANT HUMAN ACE-2 PROTEIN (HIS TAG)

Ready-to-use Recombinant Proteins

Data

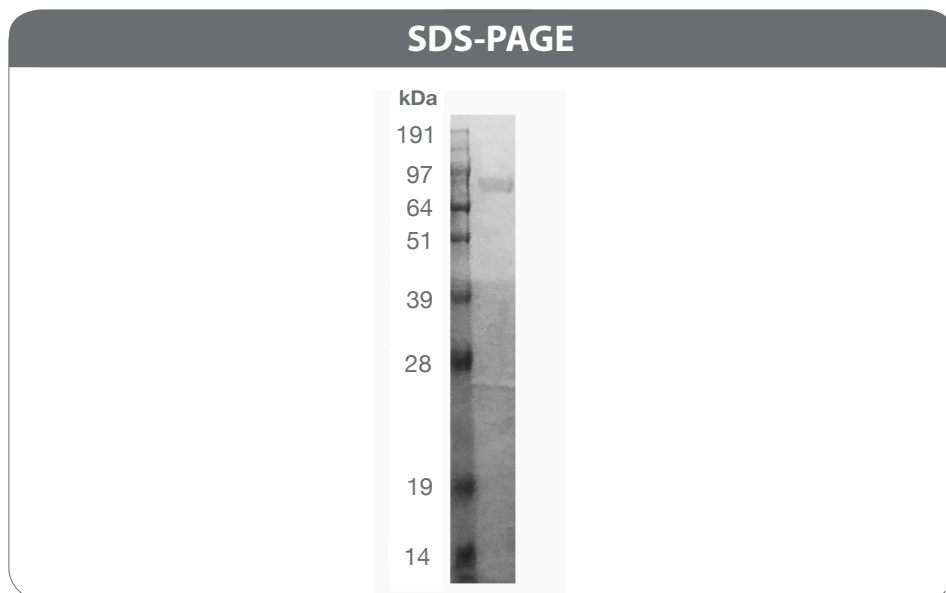


Figure 1. SDS-PAGE of recombinant protein ACE-2-His.

Products and Services

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