

# human ACE-2-(TEV-Fc)C

Catalog UCA004

Lot 4155

product specification sheet: PS-A004



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## Product description

Human ACE-2 (angiotensin-converting enzyme 2) belongs to the angiotensin-converting enzyme family of dipeptidyl carboxypeptidases and has considerable homology to human angiotensin 1 converting enzyme. This secreted 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. In addition, the encoded protein is a functional receptor for the spike glycoprotein of the human coronavirus HCoV-NL63 and the human severe acute respiratory syndrome coronaviruses, SARS-CoV and SARS-CoV-2 (COVID-19 virus).

Concentration: 2.10 mg/ml  
10.8  $\mu$ M  
(based on the dimeric stoichiometry)

Volume: 50  $\mu$ l  
Quantity: 100  $\mu$ g  
Endotoxin: <0.09 EU/ml

Label:  
A004 hACE-2-(TEV-Fc)C  
2,1 mg/ml in PBS  
Batch 4155

The protein is produced in HEK293 cells and contains a C-terminal, TEV-protease cleavable Fc-tag. It was purified to homogeneity (figure 1). The calculated molecular weight of recombinant hACE-2-(TEV-Fc)C is 193.9 kDa.

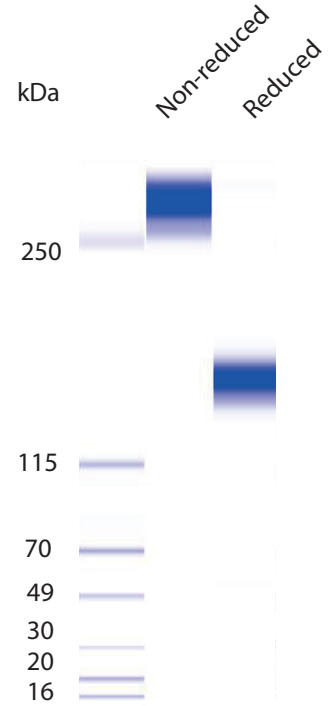


Figure 1. LabChip analysis of hACE-2-(TEV-Fc)C

## Protein Sequence

gsqstieeqaktfldkfnheaedlfyqsslaswnyntnitenenvqnmnagdkwsaflekeqstlaqmyplqeiqlntvklqlqalqqngssvlsekskrlntilntmstiytgkvcnpdnpq  
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## Use, storage and stability

The product should be stored at - 80 °C (stable for at least 1 year). The buffer contains PBS without preservative. After thawing it should be stored in appropriate small aliquots at - 20 °C or - 80 °C (stable for at least 2 months).

## PRODUCT USE LIMITATIONS, WARRANTY, DISCLAIMER

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The product can only be used for internal research and development

The product can not be used in any commercial activity (commercial use includes, but is not limited to R&D activities for third parties)

The product can not be resold.

Please contact [bd@immunoprecise.com](mailto:bd@immunoprecise.com) to inquire about further information.

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