

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

Catalog A004 - 0.1 mg  
Lot 4155

Life Sciences Incubator  
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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.

### Protein Sequence:

gsqstieeqaktfldkfnheaedlfyqsslaswnytniteenvqnmnagdkwsafkqstlaqmyplqeiqlntvklqlqalqqngssvlsedkskrlntilmtstiytgkvcnpdpnpg  
eclllepplneimansldynerlwaweswrsevgkqlrplyeeyvvlknemaranhyedygdywrgdyevngvdydysrgqliedvehtfeeikplyehlhayvraklmnaypsysipi  
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nlyfqssepkscdkthtppcpapellggpsvflfpkpdkdtlmisrtpetvcvvvdvshedpevkfnwyvdgvevhnaktkpreeqynstyrvsvltvlhqdwlngkeykckvsnkal  
papietiskakgqprepvytlppsrldtknqvslclvkgfypsdiavewesngqpennyktpplvdsdgsfflyskltdksrwqqgnvfscsvmhlehnhytqkslslspgkga\*

### 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).

### Production platform:

This product has been produced in HEK293 cells using the rPEX<sup>®</sup> recombinant protein production platform.

### PRODUCT USE LIMITATIONS, WARRANTY, DISCLAIMER

The product is not for use in humans

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, 1) preparation of growth media with the purpose of sale, 2) 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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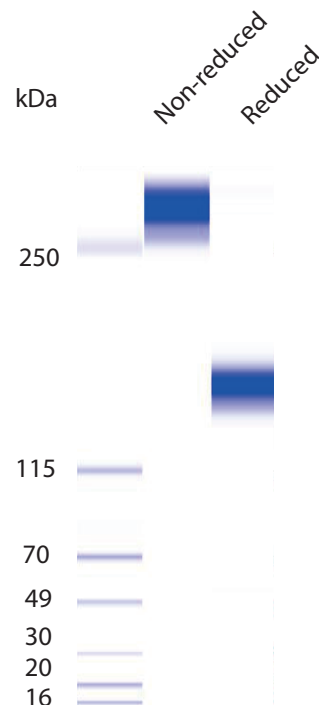


Figure 1. LabChip analysis of hACE-2-(TEV-Fc)C