

human ACE-2

Catalog UCA005
Lot 4156
product specification sheet: PS-A005



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: 1.59 mg/ml
22.6 µM
Volume: 69 µl
Quantity: 100 µg
Endotoxin: <0.11 EU/ml

Label:
A005 hACE-2
1.59 mg/ml in PBS
Batch 4156

The protein is produced in HEK293 cells and does not contain a tag. It was purified to homogeneity (figure 1). The calculated molecular weight of recombinant hACE-2 is 70.4 kDa.

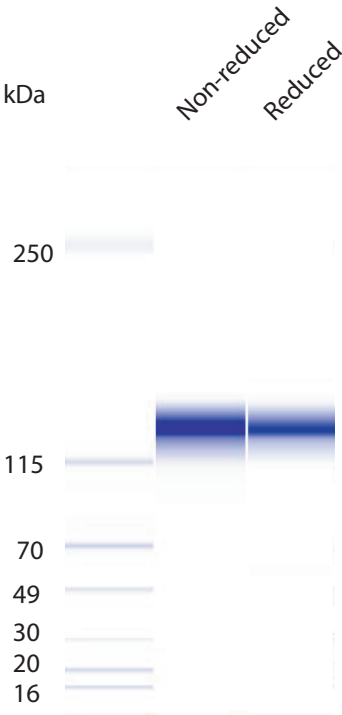


Figure 1. LabChip analysis of hACE-2

Protein Sequence

gsqstieeqaktfldkfnheaedlfyqsslaswnyntnitenenvqnmnagdkwsafllkeqstlaqmyplqeiqlntvklqlqalqqngssvlsedkskrIntilntmstistgkvcnpdnpq
eclllepglneimansldynernlwaweswrsevgkqlrplyeeyvvlknemaranhyedygdywrgdyevngvdgdydysrgqliedvehtfeeikplyehlhayvraklmnaypsyispi
gclpahllgdmwgrfwnlsltpfpgkpnidvtdamvdqawdaqrifkeakffvsglplnmtqgfwensmltdpgnvqkavchptawdlgkgdfrilmctktvmtddfltahhem
ghiqydmayaaqpflrnganegfheavgeimslsaatpkhlksigllspdfqednetaifllkqaltivgtlpfitymlekwrwmvfkgpeipkdqwmkkwwemkreivgvpevpvphde
tycdpaslfhvsndysfiryrtlyqfqqealcqaakhegplhkcdisnsteagqklfnmrlgksepwtlalenvvgaknmnvrpllnyfeplftwlkdqknksfvgwstdwspyadaaae
nlyfq

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

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 R&D activities for third parties)
The product can not be resold.
Please contact bd@immunoprecise.com to inquire about further information.

ImmunoPrecise Antibodies Europe BV products contain chemicals which may be harmful if misused. Due care should be exercised with all ImmunoPrecise Antibodies Europe BV products to prevent direct human contact. All products are intended For Research Use Only and ARE NOT ALLOWED FOR USE IN HUMANS. Each ImmunoPrecise Antibodies Europe BV product is shipped with documentation stating specifications and other technical information. ImmunoPrecise Antibodies Europe BV products are warranted to meet or exceed the stated specifications. ImmunoPrecise Antibodies Europe BV's sole obligation and the customer's sole remedy is limited to replacement of products free of charge in the event products fail to perform as warranted. ImmunoPrecise Antibodies Europe BV makes no other warranty of any kind whatsoever, and SPECIFICALLY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES OF ANY KIND OR NATURE WHATSOEVER, DIRECTLY OR INDIRECTLY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, AS TO THE SUITABILITY, PRODUCTIVITY, DURABILITY, FITNESS FOR A PARTICULAR PURPOSE OR USE, MERCHANTABILITY, CONDITION, OR ANY OTHER MATTER WITH RESPECT TO ImmunoPrecise Antibodies Europe BV PRODUCTS. In no event shall ImmunoPrecise Antibodies Europe BV be liable for claims for any other damages, whether direct, incidental, foreseeable, consequential, or special (including but not limited to loss of use, revenue or profit), whether based upon warranty, contract, tort (including negligence) or strict liability arising in connection with the sale or the failure of ImmunoPrecise Antibodies Europe BV products to perform in accordance with the stated specifications.