

Recombinant Human ACE2, His-tagged

Cat. No. ACE2-745H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ACE-2 ectodomain (amino acids 1-740) was fused at the C-terminus to a His•Tag sequence and expressed in <i>NSO cells</i> . By SDS-PAGE, the apparent molecular mass of the glycosylated protein is ~120 kDa under either reducing or non-reducing conditions.
Species	Human
Source	Mammalian Cells
ProteinLength	1-740 a.a.
Description	ACE-2 cleaves angiotensins I and II as a carboxypeptidase and plays an important role in regulating cardiovascular and renal functions. Native ACE-2 is an integral membrane zinc metalloprotease whose activity is inhibited by EDTA.
Purity	≥90% by SDS-PAGE.
Form	Liquid. Please refer to vial label for lot-specific concentration.
Endotoxins	≤1.0 EU/μg ACE-2.
Specific Activity	≥0.8 unit/μg protein.
Unit Definition	One unit is defined as the amount of enzyme that will cleave 1 nmol MCA-YVADAPK(DNP)-OH per min at 25°C, pH 7.5.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Toxicity Standard Handling (MSDS available upon request).

Storage ≤ -70°C. Avoid freeze/thaw. Following initial thaw, aliquot and freeze (-70°C).

GENE INFORMATION

Gene Name [ACE2 angiotensin I converting enzyme \(peptidyl-dipeptidase A\) 2 \[Homo sapiens \]](#)

Synonyms ACE2; angiotensin I converting enzyme (peptidyl-dipeptidase A) 2; ACEH; DKFZp434A014; angiotensin I converting enzyme; ACE-related carboxypeptidase2; angiotensin converting enzyme-like protein; EC 3.4.15.1; EC 3.4.17.-; Angiotensin-converting enzyme 2; ACEH

Gene ID [59272](#)

mRNA Refseq [NM_021804](#)

Protein Refseq [NP_068576](#)

MIM [300335](#)

UniProt ID [Q9BYF1](#)

Chromosome Location Xp22

Pathway Renin-angiotensin system

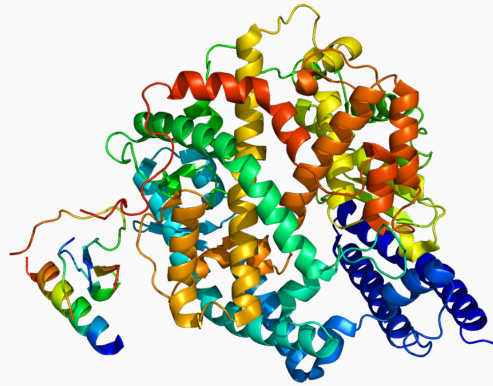
Function carboxypeptidase activity; chloride ion binding; glycoprotein binding; metal ion binding; metallopeptidase activity; peptidase activity; peptidyl-dipeptidase activity; viral receptor activity; zinc ion binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PDB rendering based
on 1r42.



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA