



# Human ACE2 blocking peptide (CDBP0287)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	ACE2 peptide ( 192 - 208 )
<b>Antigen Description</b>	The 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 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 coronaviruses SARS and HCoV-NL63.
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	BL
<b>Format</b>	Liquid
<b>Concentration</b>	0.2 mg/ml
<b>Size</b>	50 µg
<b>Buffer</b>	Phosphate-buffered saline, pH 7.2, containing 0.1% BSA and 0.02% Sodium azide
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid freeze-thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ACE2 angiotensin I converting enzyme (peptidyl-dipeptidase A) 2 [ Homo sapiens ]</a>
<b>Official Symbol</b>	ACE2
<b>Synonyms</b>	ACE2; angiotensin I converting enzyme (peptidyl-dipeptidase A) 2; angiotensin-converting enzyme 2; metalloprotease MPROT15; ACE-related carboxypeptidase; angiotensin I converting enzyme 2; angiotensin-converting enzyme homolog; ACEH;
<b>Entrez Gene ID</b>	<a href="#">59272</a>
<b>mRNA Refseq</b>	<a href="#">NM_021804</a>
<b>Protein Refseq</b>	<a href="#">NP_068576</a>
<b>UniProt ID</b>	Q9BYF1
<b>Chromosome Location</b>	Xp22
<b>Pathway</b>	ACE Inhibitor Pathway, organism-specific biosystem; Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem; Renin-angiotensin system, organism-specific biosystem; Renin-angiotensin system, conserved biosystem;
<b>Function</b>	carboxypeptidase activity; endopeptidase activity; glycoprotein binding; metal ion binding; NOT metalloprotease activity; peptidase activity; NOT peptidyl-dipeptidase activity; viral receptor activity; zinc ion binding;