

Recombinant Human ACE2 Protein (ECD, AA 20-707), C-Avi/His-Tagged, Biotinylated

Cat. No. ACE2-23H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACE2 Protein (ECD, AA 20-707) with C-Avi/His tag (Biotinylated) was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	AA 20-707
Description	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. ACE2 is known to be expressed in various human organs, and its organ- and cell-specific expression 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, the latter is the causative agent of coronavirus disease-2019 (COVID-19). Multiple splice variants have been found for this gene and the dACE2 (or MIRb-ACE2) splice variant has been found to be interferon inducible.
Form	Liquid

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AA Sequence

MTIEEQAKTFLDKFNHEAEDLFYQSSLASWNYNTNITEENVQNMNNAAGDKWSAFLK
EQSTLAQMYPLQEIQNLTVKLQLQALQQNGSSVLSSEDKSKRLNTILNTMSTIYSTGKV
CNPDPNPQECLLLEPGLNEIMANSLDYNERLWAWESWRSEVGKQLRPLYEEYVVLK
NEMARANHYEDYGDYWRGDYEVNGVDGYDYSRGQLIEDVEHTFEEIKPLYEHLHA
YVRAKLMNAYPSYISPIGCLPAHLLGDMWGRFWTNLYSLTVPFGQKPNIDVTDAMV
DQAWDAQRIFKEAEKFFVSVGLPNMTQGGFWENSMLTDPGNVQKAVCHPTAWDLG
KGDFRILMCTKVTMDDFLTAHHEMGHIQYDMAYAAQPFLLRNGANEGFHEAVGEIM
SLSAATPKHLKSIGLLSPDFQEDNETEINFLKQALTIVGTLPFTYMLEKWRWMVFKG
EIPKDQWMKKWWEMKREIVGVVEPVPHDETYCDPASLFHVSNDYSFIRYYTRTLYQ
FQFQEALCQAAKHEGPLHKCDISNSTEAGQKLFNMLRLGKSEPWTALENNVGAKN
MNV RPLLNYFEPLFTWLKDQNKNSFVGWSTDWSPYADQSIKVRISLKSALGDKAYE
WNDNEMYLFRRSSVAYAMRQYFLKVKNQMILFGEEDVRVANLKPRI SFNFFVTAPKN
VSDIIPRTEVEKAIRMS

Purity

> 80% as determined by SDS-PAGE

Storage

Stored and shipped at -80 centigrade

Storage Buffer

PBS, pH 7.4

Conjugation

Biotin

GENE INFORMATION
Gene Name

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

Official Symbol

ACE2

Synonyms

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

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Gene ID 59272

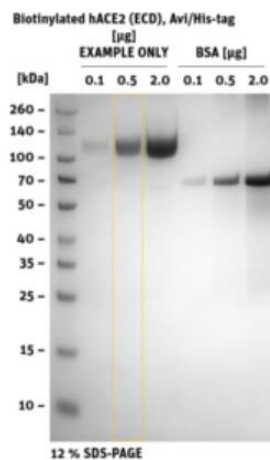
mRNA Refseq NM_021804

Protein Refseq NP_068576

MIM 300335

UniProt ID Q9BYF1

SDS-PAGE

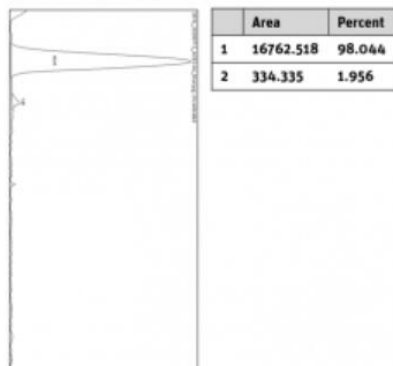


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Histogram of marked
lane in gel picture



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