

Recombinant Rabbit ACE Protein, His-tagged

Cat. No. ACE-31R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rabbit ACE Protein (Tyr498-Asn715) with N-His tag was expressed in E. coli.
Species	Rabbit
Source	E.coli
ProteinLength	Tyr498-Asn715
Description	Converts angiotensin I to angiotensin II by release of the terminal His-Leu, this results in an increase of the vasoconstrictor activity of angiotensin. Also able to inactivate bradykinin, a potent vasodilator. Has also a glycosidase activity which releases GPI-anchored proteins from the membrane by cleaving the mannose linkage in the GPI moiety (By similarity).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.6 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for

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

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

48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

ACE angiotensin I converting enzyme (peptidyl-dipeptidase A) 1 [*Oryctolagus cuniculus* (rabbit)]

Official Symbol

ACE

Synonyms

ACE; angiotensin I converting enzyme (peptidyl-dipeptidase A) 1; angiotensin-converting enzyme; kininase II; peptidyl dipeptidase i; dipeptidyl carboxypeptidase I

Gene ID

100009274

mRNA Refseq

NM_001082395

Protein Refseq

NP_001075864

UniProt ID

P12822

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