

Datasheet for ABIN1459628

Angiotensin I Converting Enzyme 1 Protein (AA 29-100) (His tag)



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Overview

Quantity:	1 mg
Target:	Angiotensin I Converting Enzyme 1 (ACE)
Protein Characteristics:	AA 29-100
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Angiotensin I Converting Enzyme 1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	EL DPALQPGNFP ADEAGAQIFA ASFNSSAEQV LfqSTAASWA HDTNITEENA RLQEEAALLS QEFSEAWGQK
Specificity:	Bos taurus (Bovine)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	Angiotensin I Converting Enzyme 1 (ACE)
Alternative Name:	Angiotensin-converting enzyme (ACE) (ACE Products)

Target Details

Background: Recommended name: Angiotensin-converting enzyme.
Short name= ACE.
EC= 3.2.1.-.
EC= 3.4.15.1.
Alternative name(s): Dipeptidyl carboxypeptidase I Kininase II CD_antigen= CD143

UniProt: [P12820](#)

Pathways: [ACE Inhibitor Pathway](#), [Peptide Hormone Metabolism](#), [Regulation of Systemic Arterial Blood Pressure by Hormones](#), [Feeding Behaviour](#), [Smooth Muscle Cell Migration](#)

Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.