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Datasheet for ABIN1460121  
**CPE Protein (AA 42-475) (His tag)**

### Overview

Quantity:	1 mg
Target:	CPE
Protein Characteristics:	AA 42-475
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CPE protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	RPQEDGISF EYHRYPELRE ALVSVWLQCA AVSRIYTVGR SFEGRELLVL ELSDNPGVHE PGEPEFKYIG NMHGNEAVGR ELLIFLAQYL CNEYQKGNET IVQLIHNTRI HIMP SLNPDG FEKAASQLGE LKDWVFGVRSN AQQIDLNRNF PDLDRIVYIN EKEGGPNNHL LKNLKKIVDQ NTKLAPETKA VIHWIMDIPF VLSANLHGGD LVANYPYDET RSGSAHEYSS CPDDDIFQSL ARAYSSFNPP MSDPDRPPCR KNDDSSSFE GTTNGAAWYS VPGGMQDFNY LSSNCFEITV ELSCEKFPPE ETLKNYWEDN KNSLISYIQQ IHRGVKGFVR DLQGNPIANA TLSVEGIDHD VTSAKDGDYW RLLVPGNYKL TASAPGYLAI AKKVAVPYSP AVRVD FELES FSERKEEEKE ELMEWWKMMS ETLNF
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.

## Product Details

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Purity: > 90 %

## Target Details

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Target: CPE

Abstract: [CPE Products](#)

Background: Recommended name: Carboxypeptidase E.  
Short name= CPE.  
EC= 3.4.17.10.  
Alternative name(s): Carboxypeptidase H.  
Short name= CPH Enkephalin convertase Prohormone-processing carboxypeptidase

UniProt: [P04836](#)

Pathways: [Peptide Hormone Metabolism](#), [Synaptic Membrane](#)

## Application Details

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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

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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

## Handling

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Storage: -20 °C

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