Procollagen C Proteinase Enhancer 1 (PCPE1) ELISA Kit for Chicken

PRODUCT OVERVIEW

Product Name	Procollagen C Proteinase Enhancer 1 (PCPE1), ELISA Kit
Full Product Name	Chicken Procollagen C Proteinase Enhancer 1 ELISA Kit
Product Gene Name	PCPE1 elisa kit
Species Reactivity	Chicken
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	47,972 Da
Chromosome Location	Chromosome: 7; NC_000007.13 (100199882..100205798). Location: 7q22
OMIM	600270
3D Structure	ModBase 3D Structure for Q15113
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
Product Categories/Family for PCPE1 elisa kit	Signal Transduction
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for PCPE1 elisa kit	MBS743545 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Procollagen C Proteinase Enhancer 1 (PCPE1) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing PCPE1. The ELISA analytical biochemical technique of the MBS743545 kit is based on PCPE1 antibody-PCPE1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect PCPE1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, PCPE1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of PCPE1 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PCPE1. It may not necessarily be applicable to this product.

NCBI GI #	157653329
NCBI GeneID	5118
NCBI Accession #	NP_002584.2
UniProt Primary Accession #	Q15113
UniProt Secondary Accession #	O14550; B2R9E1
UniProt Related Accession #	Q15113
GenBank Nucleotide #	NM_002593.3
NCBI Official Full Name	procollagen C-endopeptidase enhancer 1

NCBI Official Synonym Full Names	procollagen C-endopeptidase enhancer
NCBI Official Symbol	PCOLCE
NCBI Official Synonym Symbols	PCPE; PCPE1; PCPE-1
UniProt Protein Name	Procollagen C-endopeptidase enhancer 1
UniProt Synonym Protein Names	Procollagen COOH-terminal proteinase enhancer 1; PCPE-1; Procollagen C-proteinase enhancer 1; Type 1 procollagen C-proteinase enhancer protein; Type I procollagen COOH-terminal proteinase enhancer
Protein Family	Procollagen C-endopeptidase enhancer
UniProt Gene Name	PCOLCE
UniProt Synonym Gene Names	PCPE1; PCPE-1
UniProt Entry Name	PCOC1_HUMAN
NCBI Protein Information	procollagen C-endopeptidase enhancer 1; procollagen C-proteinase enhancer 1; procollagen COOH-terminal proteinase enhancer 1; type 1 procollagen C-proteinase enhancer protein; type I procollagen COOH-terminal proteinase enhancer; procollagen, type 1, COOH-terminal proteinase enhancer
NCBI Summary for PCPE1	Fibrillar collagen types I-III are synthesized as precursor molecules known as procollagens. These precursors contain amino- and carboxyl-terminal peptide extensions known as N- and C-propeptides, respectively, which are cleaved, upon secretion of procollagen from the cell, to yield the mature triple helical, highly structured fibrils. This gene encodes a glycoprotein which binds and drives the enzymatic cleavage of type I procollagen and heightens C-proteinase activity. [provided by RefSeq, Jul 2008]
UniProt Comments for PCPE1	PCOLCE: Binds to the C-terminal propeptide of type I procollagen and enhances procollagen C-proteinase activity. Protein type: Extracellular matrix; Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 7q22 Cellular Component: extracellular matrix; extracellular space Molecular Function: heparin binding; collagen binding; protein binding; protease activator activity Biological Process: multicellular organismal development; proteolysis
Research Articles on PCPE1	**1.** Procollagen C-proteinase enhancer stimulates procollagen processing by binding to the C-propeptide region only.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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