

## ARG82749 Human PCOLCE / PCPE1 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG82749-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82749-002	Standard	2 X 10 ng/vial	4°C
ARG82749-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82749-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82749-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82749-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82749-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82749-008	25X Wash buffer	20 ml	4°C
ARG82749-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82749-010	STOP solution	10 ml (Ready to use)	4°C
ARG82749-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG82749 Human PCOLCE / PCPE1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human PCOLCE / PCPE1 in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	PCOLCE / PCPE1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.3% Inter-Assay CV: 6.2%

**Alternate Names** Type I procollagen COOH-terminal proteinase enhancer; Procollagen C-endopeptidase enhancer 1; Procollagen C-proteinase enhancer 1; PCPE-1; Type 1 procollagen C-proteinase enhancer protein; PCPE1; Procollagen COOH-terminal proteinase enhancer 1; PCPE

## Application Instructions

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**Assay Time** ~ 5 hours

## Properties

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**Form** 96 well

**Storage instruction** Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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**Gene Symbol** PCOLCE

**Gene Full Name** procollagen C-endopeptidase enhancer

**Background** 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]

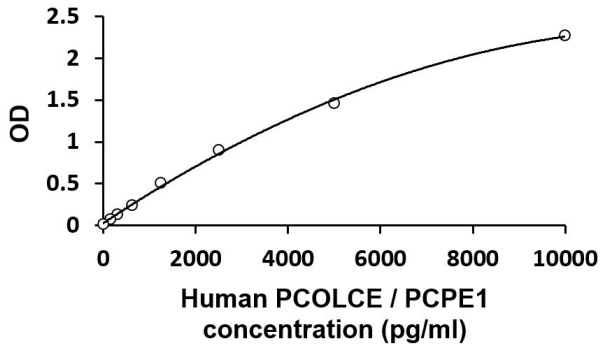
**Function** Binds to the C-terminal propeptide of type I procollagen and enhances procollagen C-proteinase activity.

C-terminal processed part of PCPE (CT-PCPE) may have an metalloproteinase inhibitory activity. [UniProt]

**Highlight** Related products:  
[PCOLCE ELISA Kits:](#)  
New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

**PTM** C-terminally processed at multiple positions. [UniProt]

**Cellular Localization** Secreted. [UniProt]



ARG82749 Human PCOLCE / PCPE1 ELISA Kit standard curve image

ARG82749 Human PCOLCE / PCPE1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.