

Recombinant Human PCOLCE Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PCOLCE-6411H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PCOLCE MS Standard C13 and N15-labeled recombinant protein (NP_002584) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	48 kDa
AA Sequence	MLPAATASLLGPLLTACALLPFAQGQTPNYTRPVFLCGGDVKGESGYVASEGFNLYPPNKECIWITITVPEGQTVSLSFRVFDLELHPACRYDALEV FAGSGTSGQRLGRFCGTFRPAPLVAPGNQVTLRMTTDEGTGGRGFLLWYSGRATSGTEHQFCGGRLEKAQGLTTPNWPESDYPPGISCSWHIAPPDQVIALTFEKFDLEPDTYCRYDSVSVFNGAVSDDSRRLGKFCGDAVPGSISSEGNELLVQFVSDLSVTADGFSASYKTLPRGTAKGQGP GPKRGTEPKVKLPKKSQPPEKTEESPSAPDAPTCPKQCRRTGTLQSNFCASSLVVTATVKSMVREPGGLAVTVSLIGAYKTGGLDLSPPTGASLKFYVPCKQCPPMKK

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	GVSYLLMGQVEENRGVLPPESEFVVLHRPNQDQILTNLSKRKCPSQPVRAAASQDT RTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	PCOLCE procollagen C-endopeptidase enhancer [Homo sapiens (human)]
Official Symbol	PCOLCE
Synonyms	PCOLCE; procollagen C-endopeptidase enhancer; procollagen C-endopeptidase enhancer 1; PCPE; PCPE1; procollagen C proteinase enhancer 1; procollagen; type 1; COOH terminal proteinase enhancer; 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; PCPE-1;
Gene ID	5118
mRNA Refseq	NM_002593

Protein Refseq	NP_002584
MIM	600270
UniProt ID	Q15113

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