
Product Data Sheet

Product Name: PCOLCE Human

Cat. No.: GP22052

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ProcollagenC-Endopeptidase Enhancer; Procollagen C-Proteinase Enhancer 1; Type I Procollagen COOH-Terminal Proteinase Enhancer; Type 1 Procollagen C-Proteinase Enhancer Protein; Procollagen COOH-Terminal Proteinase Enhancer 1; PCPE-1; PCPE1; Procollagen; Type 1; COOH-Terminal Proteinase Enhancer; ProcollagenC-Endopeptidase Enhancer 1; COOH-Terminal Proteinase Enhancer; Procollagen; Type 1; PCPE; Procollagen C-endopeptidase enhancer 1.		
Amino Acid Sequence	MGSSHHHHHSSGLVPRGSH MGSQTPNYTRPVFLCGGDVK GESGYVASEG FPNLYPPNKE CIWTITVPEG QTVSLSFRVF DLELHPACRY DALEVFAGSGTSGQRLGRFC GTFRPAPLVA PGNQVTLRMT TDEGTGGRGF LLWYSGRATS GTEHQFCGGR LEKAQGTLLTPNWPESDYPP GISCSWHIIA PPDQVIALTF EKFDLEPDTY CRYDSVSVFN GAVSDDSRRL GKFCGDAVPGSISSEGNELL VQFVSDLSVT ADGFSASYKT LPRGTAKEGQ GPGPKRGTEP KVKLPPKSQP PEKTEESPSAPDAPTCPKQC RRTGTLQSNF CASSLVVTAT VKSMVREPGE GLAVTVSLIG AYKTGGLDLP SPPTGASLKFYVPCCKQCPPM KKGVSYLLMG QVEENRGPVL PPESFVVLHR PNQDQILTNL SKRKCPSPV RAAASQD.		
Formulation	PCOLCE protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.		

Introduction

Procollagen C-endopeptidase enhancer 1, also known as PCOLCE binds to the C-terminal propeptide of type I procollagen and enhances procollagen C-proteinase activity. In addition, C-terminal processed part of PCPE (CT-PCPE) has a metalloproteinase inhibitory activity. Among the diseases which are associated with PCOLCE: bone fracture &

Caution: Product has not been fully validated for medical applications. For research use only.

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oculopharyngeal muscular dystrophy.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

PCOLCE Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 447 amino acids (26-449 a.a) and having a molecular mass of 47.9kDa. PCOLCE is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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