
Product Data Sheet

Product Name: PCOLCE Human, Sf9
 Cat. No.: GP22053
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Procollagen C-endopeptidase enhancer 1; 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; PCOLCE; PCPE1; Procollagen C-Endopeptidase Enhancer; Procollagen C-Proteinase; Enhancer 1; Procollagen; Type 1; COOH-Terminal Proteinase Enhancer; Type I Procollagen COOH-Terminal Proteinase Enhancer; Type 1 Procollagen C-Proteinase Enhancer Protein; Procollagen COOH-Terminal Proteinase Enhancer 1.		
Amino Acid Sequence	ADPQTPNYTR PVFLCGGDVK GESGYVASEG FPNLYPPNKE CIWTITVPEG QTVSLSFRVF DLELHPACRY DALEVFAGSG TSGQRLGRFC GTFRPAPLVA PGNQVTLRMT TDEGTGGRGF LLWYSGRATS GTEHQFCGGR LEKAQGLTT PNWPESDYPP GISCSWHIIA PPDQVIALTF EKFDLEPTY CRYDSVSVFN GAVSDDSRRL GKFCGDAVPG SISSEGNELL VQFVSDLSVT ADGFSASYKT LPRGTAKEGQ GPGPKRGTEP KVKLPPKSQP PEKTEESPSA PDAPTCPKQC RRTGTLQSNF CASSLVVTAT VKSMVREPGE GLAVTVSLIG AYKTGGLDLP SPPTGASLKF YVPCKQCPM KKGVSYLLMG QVEENRGPVL PPESFVVLHR PNQDQILTNL SKRKCPSQPV RAAASQDHHH HHH.		
Formulation	PCOLCE protein solution (0.25mg/ml) contains 20mM Tris-HCl (pH 8.0), 10% glycerol and 0.1M NaCl.		

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

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

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activity. Among the diseases which are associated with PCOLCE: bone fracture & 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 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 433 amino acids (26-449 a.a.) and having a molecular mass of 46.6kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). PCOLCE is expressed with an 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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