32-6870: PCOLCE Human

Alternative Name :	Procollagen C-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, Procollagen C-Endopeptidase Enhancer 1, COOH-Terminal Proteinase Enhancer, Procollagen, Type 1, PCPE, Procollagen C-endopeptidase enhancer 1.

Description

Source: Escherichia Coli.
Sterile filtered colorless solution.
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 & oculopharyngeal muscular dystrophy.
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.

Product Info

Amount :	5 µg / 25 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	PCOLCE protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSQTPNYTR PVFLCGGDVK GESGYVASEG FPNLYPPNKE CIWTITVPEG QTVSLSFRVF DLELHPACRY DALEVFAGSG TSGQRLGRFC GTFRPAPLVA PGNQVTLRMT TDEGTGGRGF LLWYSGRATS GTEHQFCGGR LEKAQGTLTT PNWPESDYPP GISCSWHIIA PPDQVIALTF EKFDLEPDTY CRYDSVSVFN GAVSDDSRRL GKFCGDAVPG SISSEGNELL VQFVSDLSVT ADGFSASYKT LPRGTAKEGQ GPGPKRGTEP KVKLPPKSQP PEKTEESPSA PDAPTCPKQC RRTGTLQSNF CASSLVVTAT VKSMVREPGE GLAVTVSLIG AYKTGGLDLP SPPTGASLKF YVPCKQCPPM KKGVSYLLMG QVEENRGPVL PPESFVVLHR PNQDQILTNL SKRKCPSQPV RAAASQD.