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32-6871: PCOLCE Human, Sf9

Alternative Name :	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.

Description

Source: Sf9, Insect cells.
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 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.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	PCOLCE protein solution (0.25mg/ml) contains 20mM Tris-HCl (pH 8.0), 10% glycerol and 0.1M NaCl.
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 :	ADPQTPNYTR 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 RAAASQDHHH HHH.

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