

Recombinant human PCPE-1 protein

Catalog Number: ATGP2996

PRODUCT INFORMATION

Expression system

E.coli

Domain

26-449aa

UniProt No.

Q15113

NCBI Accession No.

NP_002584

Alternative Names

Procollagen C-endopeptidase enhancer 1, PCPE, PCPE-1, PCPE1

PRODUCT SPECIFICATION

Molecular Weight

47.9 kDa (447aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

PCOLCE also known as procollagen C-endopeptidase enhancer 1. PCOLCE binds to the C-terminal propeptide of type I procollagen and enhances procollagen C-proteinase activity and C-terminal processed part of PCPE (CT-PCPE) may have a metalloproteinase inhibitory activity. Recombinant human PCOLCE, fused to His-tag at N-terminus, was expressed in E. coli

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSQTPNYTR PVFLCGGDVK GESGYVASEG FPNLYPPNKE CIWTITVPEG QTVSLSFRVF

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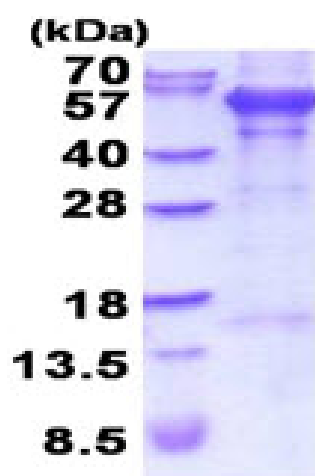
DLELHPACRY DALEVFAGSG TSGQRLGRFC GTFRPAPLVA PGNQVTLRMT TDEGTGGRGF LLWYSGRATS GTEHQFCGGR
LEKAQGTLLT PNWPESDYPP GISCSWHIIA PPDQVIALTF EKFDLEPDY CRYDSVSVFN GAVSDDSRRL GKFCGDAVPG
SISSEGNELL VQFVSDLSVT ADGFSASYKT LPRGTAKGQ GPGPKRGTEP KVKLPPKSQP PEKTEESPSA PDAPTCPKQC
RRTGTLQSNF CASSLVVTAT VKSMVREPGE GLAVTVSLIG AYKTGGLDLP SPPTGASLKF YVPCKQCPCM KKGVSILLMG
QVEENRGVPL PPESFVVLHR PNQDQILTNL SKRKCPSQPV RAAASQD

General References

Liepinsh E. et al. (2003) J. Biol. Chem. 278:25982-25989.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)