

Procollagen I C-Terminal Propeptide (PICP) Recombinant Protein | PICP recombinant protein

Recombinant Procollagen I C-Terminal Propeptide (PICP)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA151021	E.coli	Homo sapiens (Human)Homo sapiens (Human)	Western Blot, SDS-Page

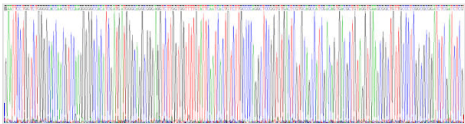
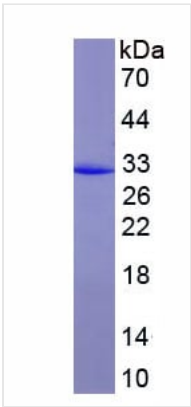
PRODUCT SYNONYMS

Procollagen I C-Terminal Propeptide (PICP); Recombinant Procollagen I C-Terminal Propeptide (PICP); PICP/Procollagen I C-Terminal Propeptide; P1CP; C-Propeptide Of Type I Procollagen; Procollagen I Carboxy Terminal Propeptide; PICP recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)Homo sapiens (Human)
Purity/Purification	> 90%
Form/Format	PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.
Concentration	Original Concentration: 350ug/mL (varies by lot)
Applicable Applications for PICP recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Asp1219~Leu1464
Tags	N-terminal His Tag
Subcellular Location	Secreted, Extracellular matrix
Traits	Freeze-dried powder
Predicted isoelectric point	5.0
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Gene Sequence
Gene Sequencing (extract)

SDS-PAGE

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DD ANVVRDRDLE VDTTLKSLSQ QIENIRSPG  
SRKNPARTCR DLKMCHSDWK SGEYWDPNQ GCNLDAIKVF CNMETGETCV  
YPTQPSVAQK NMYISKNPDK KRHWVFGESM TDGFQFEYGG QGSDPADVAI  
QLTFLRLMST EASQNITYHC KNSVAYMDQQ TGNLKKALLL QGSNEIEIRA  
EGNSRFTYSV TVDGCTSHTG AWGKTVIEWK TTKTSRLPII DVAPLDVGAP  
DQEFQFDVGP VCFL
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Sequence

ADDITIONAL INFORMATION

Product Categories/Family for PICP recombinant protein	Metabolic pathway; Hepatology; Bone metabolism; Prokaryotic recombinant
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NCBI AND UNIPROT INFORMATION

NCBI GI #	296439504
NCBI GeneID	1277
UniProt Accession #	P02452; O76045; P78441; Q13896; Q13902; Q13903; Q14037; Q14992; Q15176; Q15201; Q16050; Q59F64
Molecular Weight	Predicted Molecular Mass: 31.3kDa Accurate Molecular Mass: 32kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	Collagen alpha-1(I) chain
NCBI Official Synonym Full Names	collagen, type I, alpha 1
NCBI Official Symbol	COL1A1
NCBI Official Synonym Symbols	OI4
NCBI Protein Information	collagen alpha-1(I) chain; collagen alpha-1(I) chain; alpha-1 type I collagen; pro-alpha-1 collagen type 1; collagen alpha 1 chain type I; collagen alpha-1(I) chain preproprotein; collagen of skin, tendon and bone, alpha-1 chain
UniProt Protein Name	Collagen alpha-1(I) chain
UniProt Gene Name	COL1A1
UniProt Entry Name	CO1A1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.