

Procollagen II C-Terminal Propeptide (PIICP) Recombinant Protein | PIICP recombinant protein

Recombinant Procollagen II C-Terminal Propeptide (PIICP)

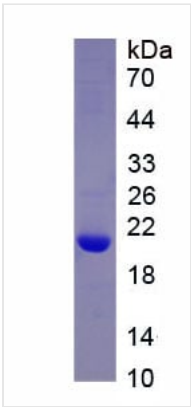
CATALOG # AAA150683	HOST E Coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

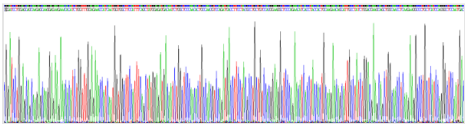
Procollagen II C-Terminal Propeptide (PIICP); Recombinant Procollagen II C-Terminal Propeptide (PIICP); Procollagen II C-Terminal Propeptide; P2CP; C-Propeptide Of Type II Procollagen; Procollagen II Carboxy Terminal Propeptide; PIICP recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95%
Form/Format	Freeze-dried powder 100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Sequence	Trp1337~Le u1487
Applicable Applications for PIICP recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Species	Human
Tag	N-terminal His Tag
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	7.1
Subcellular Location	Secreted
Usage	Reconstitute in ddH ₂ O to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Avoid repeated freeze/thaw cycles. 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.



Gene Sequence
Figure. Gene Sequencing (extract



SDS-PAGE
Figure. SDS-PAGE

WSSK SKEKKHIWFG
ETINGGFHFS YGDDNLAPNT ANVQMTFLRL LSTEGSQNIT YHCKNSIAYL
DEAAGNLKKA LLIQGSNDVE IRAEGNSRFT YTALKDGGCTK HTGKWKGTVI
EYRSQKTSRL PIIDIAPMDI GGPEQEFGVD IGPVCFLL

Sequence

ADDITIONAL INFORMATION

Product Categories/Family for PIICP recombinant protein	Infection immunity; Bone metabolism; Rheumatology; Recombinant proteins/RP
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NCBI AND UNIPROT INFORMATION

NCBI GI #	111118976
NCBI GeneID	1280
NCBI Accession #	NP_001835.3
NCBI GenBank Nucleotide #	NM_001844.4
UniProt Accession #	P02458; Q12985; Q14009; Q14044; Q14045; Q14046; Q14047; Q14056; Q14058; Q16672; Q1JQ82; A6NGA0
Molecular Weight	141,785 Da
NCBI Official Full Name	collagen alpha-1(II) chain isoform 1
NCBI Official Synonym Full Names	collagen, type II, alpha 1
NCBI Official Symbol	COL2A1
NCBI Official Synonym Symbols	AOM; ANFH; SEDC; COL11A3
NCBI Protein Information	collagen alpha-1(II) chain; collagen alpha-1(II) chain; chondrocalcin; cartilage collagen; alpha-1 type II collagen; collagen II, alpha-1 polypeptide
UniProt Protein Name	Collagen alpha-1(II) chain
UniProt Gene Name	COL2A1
UniProt Entry Name	CO2A1_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.