

Procollagen II N-Terminal Propeptide (PIINP) Active Protein | PIINP active protein

Active Procollagen II N-Terminal Propeptide (PIINP)

CATALOG # AAA153010	HOST 293F Cell	APPLICATIONS Activity Assay, Cell Culture
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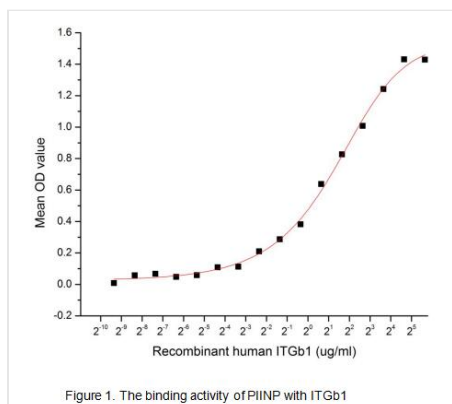
PRODUCT SYNONYMS

Procollagen II N-Terminal Propeptide (PIINP); Active Procollagen II N-Terminal Propeptide (PIINP); Procollagen II N-Terminal Propeptide; PIINP active protein (eukaryotic; 293F Cell); Human; P2NP; N-Propeptide Of Type II Procollagen; Procollagen II Amino Terminal Propeptide; PIINP active protein

PRODUCT SPECIFICATIONS

Host	293F Cell
Purity/Purification	Greater than 95% by SDS-PAGE
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose. Freeze-dried powder
Sequence Positions	Gln26~Ala181
Applicable Applications for PIINP active protein	Activity Assay, Cell Culture
Expression System	Eukaryotic expression
Species	Human
Tag	N-terminal His
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	4.2
Research Area	Bone metabolism
Preparation and Storage	Store at 2-8 degree C for one month, -80 degree C for 12 months Stable for 12 months if correctly stored.

IMAGES

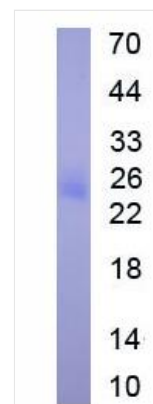


Bioactivity

Procollagen II N-Terminal Propeptide is specific for cartilaginous tissues. It is essential for the normal embryonic development of the skeleton, for linear growth and for the ability of cartilage to resist compressive forces, which was are associated wit

SDS-PAGE

Figure. SDS-PAGE



ADDITIONAL INFORMATION

Product Categories/Family for PIINP active protein	Active proteins
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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.

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Online datasheet: <https://stage.aaabiotech.com/293f-cell-active-protein/procollagen-ii-n-terminal-propeptide-piinp/153010>