Procollagen III N-Terminal Propeptide Active Protein | PIIINP active protein

Active Procollagen III N-Terminal Propeptide (PIIINP)

CATALOG #	HOST	APPLICATIONS
AAA150095	**293F cell**	**Invitro Assay, Activity Assay, Cell Culture**

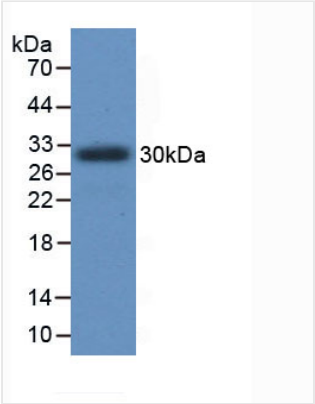
PRODUCT SYNONYMS

Procollagen III N-Terminal Propeptide; Active Procollagen III N-Terminal Propeptide (PIIINP); P3NP; N-Propeptide Of Type III Procollagen; Procollagen III Amino Terminal Propeptide; PIIINP active protein

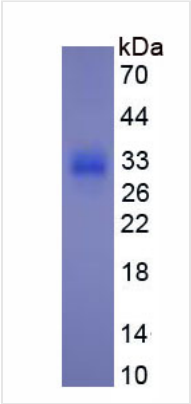
PRODUCT SPECIFICATIONS

Host	293F cell
Purity/Purification	>98%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Applicable Applications for PIIINP active protein	Invitro Assay, Activity Assay, Cell Culture
Organism Species	Homo sapiens (Human)
Source	Eukaryotic expression.
Tags	N-terminal His-tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method).
Predicted isoelectric point	4.0
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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



WB (Western Blot)
Western Blot Sample: Recombinant PIIINP, Human;Antibody: Rabbit Anti-Human PIIINP Ab



SDS-PAGE
Sample: Active recombinant PIIINP, Human

ADDITIONAL INFORMATION

Product Categories/Family for PIIINP active protein	Metabolic pathway; Hepatology; Bone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502951
NCBI GeneID	1281
NCBI Accession #	NP_000081.1
NCBI GenBank Nucleotide #	NP_000081.1
UniProt Accession #	P02461
Molecular Weight	Predicted Molecular Mass: 14.8kDa Accurate Molecular Mass: 30kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	collagen alpha-1(III) chain preproprotein
NCBI Official Synonym Full Names	collagen type III alpha 1 chain
NCBI Official Symbol	COL3A1
NCBI Official Synonym Symbols	EDS4A; EDSVASC; PMGEDSV
NCBI Protein Information	collagen alpha-1(III) chain
UniProt Protein Name	Collagen alpha-1(III) chain
UniProt Gene Name	**COL3A1**
UniProt Entry Name	CO3A1_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://www.aaabiotech.com/293f-piiinp-active-protein/procollagen-iii-n-terminal-propeptide/150095