

Collagen Type X (COL10) Recombinant Protein | COL10 recombinant protein

Recombinant Collagen Type X (COL10)

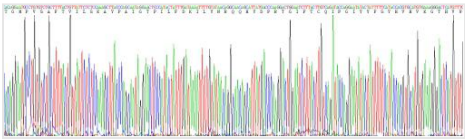
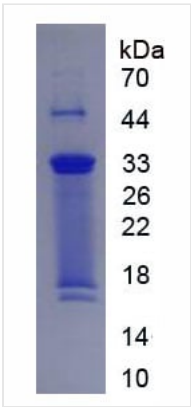
CATALOG # AAA133976	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Collagen Type X (COL10); Recombinant Collagen Type X (COL10); COL10 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 90%
Form/Format	Freeze-dried powder; PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.
Concentration	Original Concentration: 6000ug/mL (varies by lot)
Applicable Applications for COL10 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Thr547~Met680
Tags	N-terminal His Tag
Subcellular Location	Secreted, Extracellular matrix
Predicted isoelectric point	6.2
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°C for one month. Aliquot and store at -80°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°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
Gene Sequencing (extract)

SDS-PAGE

VSFTVILSK AYPAGTPIP FDKILYNRQQ HYDPRTGIFT CQIPGIYYFS
YHVHVKGTHV WGLYKNGTP VHYTYDEYTK GYLDQASGSA IIDLTENDQV
WLQLPNAESN GLYSSEYVHS SFSGFLVAPH

TGMP

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	18105032
NCBI GeneID	1300
NCBI Accession #	NP_000484.2
NCBI GenBank Nucleotide #	NM_000493.3
UniProt Accession #	Q03692; A1L4P2
Molecular Weight	Predicted Molecular Mass: 16.3kDa Accurate Molecular Mass: 17/34/50kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	collagen alpha-1(X) chain
NCBI Official Synonym Full Names	collagen, type X, alpha 1
NCBI Official Symbol	COL10A1
NCBI Protein Information	collagen alpha-1(X) chain; collagen alpha-1(X) chain; collagen X, alpha-1 polypeptide; Schmid metaphyseal chondrodysplasia
UniProt Protein Name	Collagen alpha-1(X) chain
UniProt Gene Name	COL10A1
UniProt Entry Name	COAA1_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.