

Collagen Type XIV (COL14) Recombinant Protein | COL14 recombinant protein

Recombinant Collagen Type XIV (COL14)

CATALOG # AAA134601	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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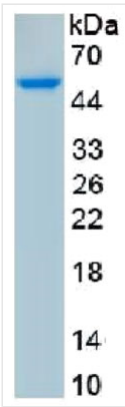
PRODUCT SYNONYMS

Collagen Type XIV (COL14); Recombinant Collagen Type XIV (COL14); COL14 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 90%
Form/Format	PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.
Concentration	Original Concentration 200ug/mL (varies by lot)
Applicable Applications for COL14 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Glu1280~Leu1461
Tags	N-terminal His and GST Tag
Subcellular Location	Secreted, Extracellular matrix
Traits	Freeze-dried powder
Predicted isoelectric point	5.5
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



E GLPSDYTISF LFRILPDTQ
EPFALWEILN KNSDPLVGVI LDNGGKILTY FNYDQSGDFQ TVTFEGPEIR
KIFYGSFHLK HIVVSETLVK VVIDCKQVGE KAMNASANIT SDGVEVLGKM
VRSRGPQGNS APFQLQMFDI VCSTSWANTD KCCELPGLRD DESCPLPHS
CSCSETNEVA L

Sequence

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	55743096
NCBI GeneID	7373
NCBI Accession #	NP_066933.1
NCBI GenBank Nucleotide #	NM_021110.2
UniProt Accession #	Q05707; O00260; O00261; O00262; Q05708; Q5XJ18; Q96C67; Q9UDF6; B2RU07
Molecular Weight	Predicted Molecular Mass: 50.0kDa Accurate Molecular Mass: 50kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	collagen alpha-1(XIV) chain
NCBI Official Synonym Full Names	collagen, type XIV, alpha 1
NCBI Official Symbol	COL14A1
NCBI Official Synonym Symbols	UND
NCBI Protein Information	collagen alpha-1(XIV) chain; collagen alpha-1(XIV) chain; undulin (fibronectin-tenascin-related)
UniProt Protein Name	Collagen alpha-1(XIV) chain
UniProt Gene Name	COL14A1
UniProt Synonym Gene Names	UND
UniProt Entry Name	COEA1_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.