Recombinant Human COL19A1 Protein, His-tagged

Cat. No. COL19A1-824H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human COL19A1 Protein (Asn50-Ala234) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asn50-Ala234
Description	This gene encodes the alpha chain of type XIX collagen, a member of the FACIT collagen family (fibril-associated collagens with interrupted helices). Although the function of this collagen is not known, other members of this collagen family are found in association with fibril-forming collagens such as type I and II, and serve to maintain the integrity of the extracellular matrix. The transcript produced from this gene has an unusually large 3' UTR which has not been completely sequenced.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.1 kDa; Accurate Molecular Mass: 25 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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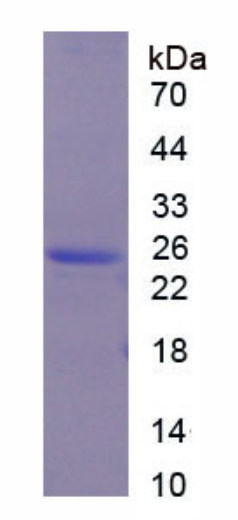
	accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	COL19A1 collagen type XIX alpha 1 chain [Homo sapiens (human)]
Official Symbol	COL19A1
Synonyms	COL19A1; collagen type XIX alpha 1 chain; COL9A1L; D6S228E; collagen alpha-1(XIX) chain; a1 chain of type XIX collagen; collagen XIX, alpha-1 polypeptide; collagen alpha 1 (Y) chain; collagen, type XIX, alpha 1
Gene ID	1310
mRNA Refseq	NM_001858
Protein Refseq	NP_001849
MIM	120165

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UniProt ID	www.uniprot.org/uniprot/Q14993



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