

Recombinant Rat Col18a1 Protein, His-tagged

Cat. No. Col18a1-1275R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Col18a1 Protein (Ser1296-Gly1488 (Accession # F1LR02)) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ser1296-Gly1488 (Accession # F1LR02)
Description	Predicted to enable identical protein binding activity. Predicted to be an extracellular matrix structural constituent. Involved in response to hydrostatic pressure and response to xenobiotic stimulus. Located in extracellular space. Used to study hepatocellular carcinoma. Biomarker of gastric ulcer and ulcerative colitis. Human ortholog(s) of this gene implicated in primary angle-closure glaucoma. Orthologous to human COL18A1 (collagen type XVIII alpha 1 chain).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 48.7 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

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

Col18a1 collagen type XVIII alpha 1 chain [Rattus norvegicus (Norway rat)]

Official Symbol

Col18a1

Synonyms

COL18A1; collagen type XVIII alpha 1 chain; KS; KNO; GLCC; KNO1; collagen alpha-1(XVIII) chain; antiangiogenic agent; collagen, type XVIII, alpha 1; endostatin; multi-functional protein MFP

Gene ID

85251

mRNA Refseq

NM_053489

Protein Refseq

NP_445941

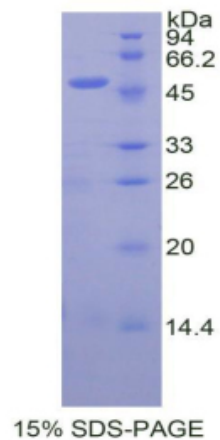
UniProt ID

F1LR02

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