

## Recombinant Rat Col18a1 Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Col18a1 Protein (Ser1296-Gly1488 (Accession # F1LR02)) with N-His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ser1296-Gly1488 (Accession # F1LR02)
<b>Description</b>	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).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 48.7 kDa
<b>Purity</b>	> 95%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	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

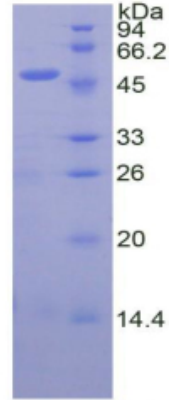
**UniProt ID**

F1LR02

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15% SDS-PAGE

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