

Recombinant Human COL4A2 Protein, His-tagged

Cat. No. COL4A2-335H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human COL4A2(Ser1487~Ser1703) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser1487~Ser1703
Description	This gene encodes one of the six subunits of type IV collagen, the major structural component of basement membranes. The C-terminal portion of the protein, known as canstatin, is an inhibitor of angiogenesis and tumor growth. Like the other members of the type IV collagen gene family, this gene is organized in a head-to-head conformation with another type IV collagen gene so that each gene pair shares a common promoter.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	27.6kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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If bio-activity of the protein is needed, please check active protein

Stability

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 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.

Reconstitution

Reconstitute in PBS or others

GENE INFORMATION

Gene Name

COL4A2 collagen, type IV, alpha 2 [Homo sapiens]

Official Symbol

COL4A2

Synonyms

COL4A2; collagen, type IV, alpha 2; collagen alpha-2(IV) chain; canstatin; collagen type IV alpha 2; DKFZp686I14213; FLJ22259; ICH; POREN2;

Gene ID

1284

mRNA Refseq

NM_001846

Protein Refseq

NP_001837

MIM

120090

UniProt ID

P08572

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