

Recombinant Human COL8A2 protein, His-tagged

Cat. No. COL8A2-7886H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human COL8A2 aa. (Asp537~Thr703 (Accession # P25067)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asp537~Thr703
Description	This gene encodes the alpha 2 chain of type VIII collagen. This protein is a major component of the basement membrane of the corneal endothelium and forms homo- or heterotrimers with alpha 1 (VIII) type collagens. Defects in this gene are associated with Fuchs endothelial corneal dystrophy and posterior polymorphous corneal dystrophy type 2. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 19.4kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.4.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as solution form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 0.01% sarcosyl, 0.01%NaN3, and 30% glycerol.

GENE INFORMATION

Gene Name	COL8A2 collagen type VIII alpha 2 chain [Homo sapiens (human)]
Official Symbol	COL8A2
Synonyms	COL8A2; collagen type VIII alpha 2 chain; FECD; PPCD; FECD1; PPCD2; collagen alpha-2(VIII) chain; collagen VIII, alpha-2 polypeptide; collagen, type VIII, alpha 2; endothelial collagen
Gene ID	1296
mRNA Refseq	NM_001294347.1
Protein Refseq	NP_001281276.1

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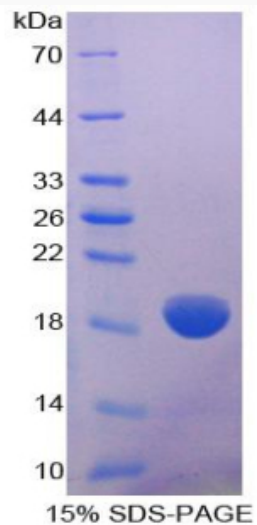
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UniProt ID

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SDS-PAGE

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