

## Recombinant Human COL21A1 Protein (His Tag)

Catalog No. PKSH033712

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

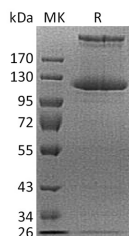
### Description

<b>Synonyms</b>	COL21A1;collagen;type XXI;alpha 1;collagen alpha-1(XXI) chain;alpha 1 type XXI collagen;FP633;COLA1L;dJ708F5.1;dJ682J15.1;FLJ39125;FLJ44623;MGC26619;DKFZp564B052
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Glu23-Tyr957
<b>Accession</b>	Q96P44
<b>Calculated Molecular Weight</b>	97.9 kDa
<b>Observed molecular weight</b>	115-125&220 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

#### For Research Use Only

Collagen  $\alpha$ -1(XXI) Chain (COL21A1) is a member of the fibril-associated collagens with interrupted helices (FACIT) family. COL21A1 is a secreted protein and contains six collagen-like domains, one TSP N-terminal (TSPN) domain, and one VWFA domain. COL21A1 is widely expressed in many tissues with the highest expression observed at the fetal stage. COL21A1 is stimulated by PDGF/platelet-derived growth factor. Type XXI collagen is localized to tissues containing type I collagen; it may serve to maintain the integrity of the extracellular matrix.