

Recombinant Human COL21A1 Protein (His Tag)

Catalog Number:PKSH033712



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

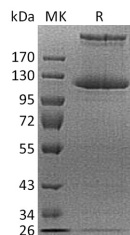
Description

Synonyms	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
Species	Human
Expression Host	HEK293 Cells
Sequence	Glu23-Tyr957
Accession	Q96P44
Calculated Molecular Weight	97.9 kDa
Observed molecular weight	115-125&220 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	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.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Collagen α -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.

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