



Recombinant Protein Technical Manual

Recombinant Human COL21A1 Protein (His Tag)

RPES3391

Product Data:

Product SKU: RPES3391

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q96P44

Protein Information:

Molecular Mass: 99.7 kDa

AP Molecular Mass: 11525&220 kDa

Tag: C-His

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°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.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: COL21A1; collagen, type XXI, alpha 1; collagen alpha(XXI) chain; alpha 1 type XXI collagen; FP633; COLA1L; dJ708F5.1; dJ682J15.1; FLJ39125; FLJ44623; MGC26619;DKFZp564B052

Immunogen Information:

Sequence: Glu23-Tyr957

Background:

Collagen α (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.