

## Recombinant Collagen Type I Alpha 2 (COL1a2)

Catalog No.: TP09114

50µg

### Sequence Information

**Species:** Human

**Gene ID:**1278

**Swiss Prot:**P08123

**Synonyms:**COL1-A2; OI4; Collagen

Alpha-2(I)chain; osteogenesis imperfecta  
type IV; Collagen Of Skin,Tendon And  
bone,Alpha-2 Chain

**Residues:**Val1103~Lys1366

VSGGGYDFGYDGFYRADQPRSA<sup>PS</sup>LRPKDYEDATLKSLNNQIETLLTPEGSR  
KNPARTCRDLRLSHPEWSSGGY<sup>W</sup>IDPNQGCTMDA<sup>IK</sup>VYCDFSTGETCIRAQ<sup>PE</sup>N  
IPAKNWYRSSKDKKHVWLGETINAGSQFEYNVEGVTSKEMATQLAFMRLLANYA  
SQNITYHCKNSIAYMDEETGNLKKAVILQGSNDVELVAEGNSRFTYTVLVDGCS  
KKTNEWGKTIIEYKTNKPSRLPFLDIAPLDIGGADQEFFVDIGPVC<sup>FK</sup>

### Product Information

**Source:** Recombinant expression.

**Host:** *E.coli*

**Tags:** N-terminal His-Tag

**Subcellular Location:** Secreted, Extracellular matrix.

**Purity:** >90%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Original Concentration:** 200µg/mL

**Applications:** Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 5.4

**Predicted Molecular Mass:** 33.4kDa

**Accurate Molecular Mass:** 33kDa as determined by SDS-PAGE reducing conditions.

### [ USAGE ]

Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

### [ STORAGE AND STABILITY ]

The kit is designed for in vitro and research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.