

Human COL1A2, C-His Tag Protein

HA211385



Product name:	Human COL1A2, C-His Tag
Species reactivity:	Human
Bio-Activity:	Testing in progress.
Protein construction description:	A DNA sequence encoding the human COL1A2 (P08123) (Gln 1121-Lys 1366) was expressed with a His tag at the C-terminus.

Background: Collagen alpha-2(I) chain is a protein that in humans is encoded by the COL1A2 gene. This gene encodes one of the chains for type I collagen, the fibrillar collagen found in most connective tissues. Mutations in this gene are associated with osteogenesis imperfecta, Cardiac-valvular, and Arthroclasia type Ehlers-Danlos syndrome, idiopathic osteoporosis, and atypical Marfan syndrome. Symptoms associated with mutations in this gene, however, tend to be less severe than mutations in the gene for alpha-1 type I collagen, since alpha-2 is less abundant. Multiple messages for this gene result from multiple polyadenylation signals, a feature shared by most of the other collagen genes.

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

Endotoxin: Less than 1.0 EU per µg by the LAL method.

Fragment region: COL1A2 (1121-1366)

Source: HEK293

Accession: P08123

Predicted molecular mass: 29.5 kD

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.

Reconstitution: Reconstitute at 250 µg/ml in sterile water.

Storage: Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

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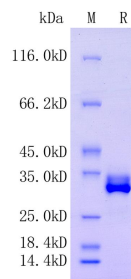


Fig1: Protein on SDS-PAGE under reducing (R) condition.

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