

Recombinant Human COL1A2

Catalog No: #GP10183



Package Size: #GP10183-1 100ug

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Description

Product Name	Recombinant Human COL1A2
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 1133-1366 amino acids of human collagen, type I, alpha 2
Target Name	collagen, type I, alpha 2
Other Names	OI4
Accession No.	Swissprot:P08123Gene Accession:BC042586
Uniprot	P08123
GenelD	1278;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene encodes the pro-alpha2 chain of type I collagen whose triple helix comprises two alpha1 chains and one alpha2 chain. Type I is a fibril-forming collagen found in most connective tissues and is abundant in bone, cornea, dermis and tendon. Mutations in this gene are associated with osteogenesis imperfecta types I-IV, Ehlers-Danlos syndrome type VIIB, recessive Ehlers-Danlos syndrome Classical type, 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 the alpha1 chain of type I collagen (COL1A1) reflecting the different role of alpha2 chains in matrix integrity. Three transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene.?

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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