

Recombinant Human COL9A1

Catalog No: #GP12805



Package Size: #GP12805-1 100ug

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Description

Product Name	Recombinant Human COL9A1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 24-328 amino acids of human COL9A1
Target Name	collagen type IX alpha 1 chain
Other Names	MED; EDM6; STL4; DJ149L1.1.2
Accession No.	Swissprot:P20849Gene Accession:BC015409
Uniprot	P20849
GeneID	1297;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene encodes one of the three alpha chains of type IX collagen, which is a minor (5-20%) collagen component of hyaline cartilage. Type IX collagen is usually found in tissues containing type II collagen, a fibrillar collagen. Studies in knockout mice have shown that synthesis of the alpha 1 chain is essential for assembly of type IX collagen molecules, a heterotrimeric molecule, and that lack of type IX collagen is associated with early onset osteoarthritis. Mutations in this gene are associated with osteoarthritis in humans, with multiple epiphyseal dysplasia, 6, a form of chondrodysplasia, and with Stickler syndrome, a disease characterized by ophthalmic, orofacial, articular, and auditory defects. Two transcript variants that encode different isoforms 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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