

Recombinant Human COL9A1 Protein, MYC/DDK-tagged

Cat. No. COL9A1-3298H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human COL9A1 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	<p>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</p>
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	89.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name COL9A1 collagen, type IX, alpha 1 [Homo sapiens]

Official Symbol COL9A1

Synonyms DJ149L1.1.2; EDM6; MED; STL4

Gene ID 1297

mRNA Refseq NM_001851

Protein Refseq NP_001842

MIM 120210

UniProt ID P20849

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