

## COL9A1 抗原（重组蛋白）

中文名称： COL9A1 抗原（重组蛋白）

英文名称： COL9A1 Antigen (Recombinant Protein)

别名： collagen type IX alpha 1 chain; MED; EDM6; STL4; DJ149L1.1.2

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 24-328 amino acids of human COL9A1

技术规格

<b>Full name:</b>	collagen type IX alpha 1 chain
<b>Synonyms:</b>	MED; EDM6; STL4; DJ149L1.1.2
<b>Swissprot:</b>	P20849
<b>Gene Accession:</b>	BC015409
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	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.