

Recombinant Human COL9A1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. COL9A1-5853H **Lot. No.** (See product label)

SPECIFICATION

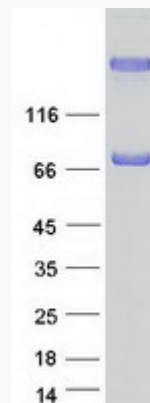
Product Overview	COL9A1 MS Standard C13 and N15-labeled recombinant protein (NP_511040) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes one of the three alpha chains of type IX collagen, which is a minor (5-20%) collagen component 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.
Molecular Mass	64.4 kDa
AA Sequence	MAWTARDRGALGLLLLGLCLCAAQRGPPGEGQPPGPPGPPGVPGIDGIDGDRGPK GPPGPPGPAGEPGKPGAPGKPGTPGADGLTGPDGSPGSIGSKGQKGEPPVPGSR GFPPGRGIPGPPGPPGTAGLPGELGRVGPVGDPPGRRGPPGPPGPPGPRGTIGFHDG

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EDM6; STL4; DJ149L1.1.2; FLJ40263;

Gene ID 1297**mRNA Refseq** NM_078485**Protein Refseq** NP_511040**MIM** 120210**UniProt ID** P20849**SDS-PAGE** Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA