

Recombinant Full Length Human COL9A3 Protein, C-Flag-tagged

Cat. No. COL9A3-2143HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human COL9A3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes one of the three alpha chains of type IX collagen, the major collagen component of hyaline cartilage. Type IX collagen, a heterotrimeric molecule, is usually found in tissues containing type II collagen, a fibrillar collagen. Mutations in this gene are associated with multiple epiphyseal dysplasia type 3.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	61.2 kDa
AA Sequence	MAGPRACAPLLLLLLLGE LLAAGAQRVGLPGPPGPPGPPGKPGQDGIDGEAGPPG LPGPPGPKGAPGKP GKPGEAGLPGLPGVDGLTGRDGPPGPKGAPGERGSLGPPG PPGLGGKGLPGPPGEAGVSGPPGGIGLRGP PGPSGLPGLPGPPGPPGPPGHPGV LPEGATDLQCPSICPPGPPGPPGMPGFKGPTGYKGEQGEVGKDGEK GDPGPPGP AGLPGSVGLQGPRGLRGLPGPLGPPGDRGPIGFRGPPGIPGAPGKAGDRGERGPE GFRGPKG DLGRPGBKGTGPGVAGPSGEPGMPGKDGQNGVPGLDGGQKGEAGRNG APGEKGPNGLPGLPGRAGSKGEKGE RGRAGELGEAGPSGEPGVPGDAGMPGER GEAGHRGSAGALGPQGPAGPVRGFQGGQKGSMDPGLPGPQ GLRGDVGDRG

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PGGAAGPKGDQGIAGSDGLPGDKGELGPSGLVGPKGESGSRGELGPKGTQGPNG
 TSGVQG VPGPPGPLGLQGVPVPGITGKPGVPGKEASEQRIRELCGGMISEQIAQL
 AAHLRKPLAPGSIGRPGPAG PPGPPGPPGSIGHPGARGPPGYRGPTGELGDPGPR
 GNQGDRGDKGAAGAGLDGPEGDQGPQGPQGVPGTS KDGQDGAPGEPGPPGDP
 GLPGAIGAQGTPGICDTSACQGAVLGGVGEKSGSRSS TRTRPLEQKLISEEDLAAN
 DILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

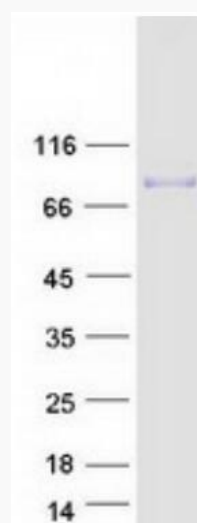
Gene Name	COL9A3 collagen type IX alpha 3 chain [Homo sapiens (human)]
Official Symbol	COL9A3
Synonyms	IDD; MED; EDM3; STL6; DJ885L7.4.1
Gene ID	1299

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mRNA Refseq	NM_001853.4
Protein Refseq	NP_001844.3
MIM	120270
UniProt ID	Q14050



Coomassie blue staining of purified COL9A3 protein.

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