

Recombinant Human COL9A3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. COL9A3-1680H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	COL9A3 MS Standard C13 and N15-labeled recombinant protein (NP_001844) 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, 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.
Molecular Mass	63.6 kDa
AA Sequence	MAGPRACAPLLLLLLLCELLAAAGAQRVGLPGPPGPPGPPGKPGQDGIDGEAGPPG LPGPPGPKGAPGKPGKPGEAGLPGLPGVDGLTGRDGPPGPKGAPGERGSLGPPG PPGLGGKGLPGPPGEAGVSGPPGGIGLRGPPGPSGLPGLPGPPGPPGPPGHPGV PEGATDLQCPSICPPGPPGPPGMPGFKGPTGYKGEQGEVKGDKGEKGDPPGPPGA GLPGSVGLQGPRGLRGLPGPLGPPGDRGPIGFRGPPGIPGAPGKAGDRGERGPEG FRGPKGDLGRPGPKGTPGVAGPSGEPGMPGKDGQNGVPGLDQGQKEAGRNGAP GEKGPNGLPGLPGRAGSKGEKGERGRAGELGEAGPSGEPGVPGDAGMPGERGE AGHRGSAGALGPQGPPGAPGVRGFQGGQKGSMDPGLPGPQGLRGDVGDRGPG GAAGPKGDQGIAGSDGLPGDKGELGPSGLVGPKGESGSRGELGPKGTQGPNGTS

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GVQGVPGPPGPLGLQGVPGVPGITGKPGVPGKEASEQRIRELCGGMISEQIAQLAA
HLRKPLAPGSIGRPGPAGPPGPPGPPGSIGHPGARGPPGYRGPTGELGDPGPRGN
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GAIGAQTGPGICDTSACQGAVLGGVGEKSGSRSTRTRPLEQKLISEEDLAANDILD
YKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name COL9A3 collagen type IX alpha 3 chain [Homo sapiens (human)]

Official Symbol COL9A3

Synonyms COL9A3; collagen, type IX, alpha 3; collagen alpha-3(IX) chain; collagen type IX proteoglycan; DJ885L7.4.1; EDM3; FLJ90759; IDD; MED; collagen IX, alpha-3 polypeptide;

Gene ID 1299

mRNA Refseq NM_001853

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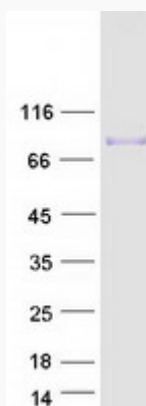
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Protein Refseq NP_001844

MIM 120270

UniProt ID Q14050

SDS-PAGE



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