

# Recombinant Human COL21A1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** COL21A1-3498H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | COL21A1 MS Standard C13 and N15-labeled recombinant protein (NP_110447) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | This gene encodes the alpha chain of type XXI collagen, a member of the FACIT (fibril-associated collagens with interrupted helices) collagen family. Type XXI collagen is localized to tissues containing type I collagen and maintains the integrity of the extracellular matrix. Alternative splicing results in multiple transcript variants.                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 99.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MAHYITFLCMVLVLLLQNSVLAEDGEVRSSCRTAPTDLVFILDGSYSVGPENFEIVKK<br>WLVNITKNFDIGPKFIQVGVVQYSDYPVLEIPLGSYDSGEHLTAAVESILYLGNTKT<br>GKAIQFALDYLFKSSRFLTKIAVVLTDGKSQDDVKDAAQAARDSKITLFAIGVGSETE<br>DAELRAIANKPSSTYVFYVEDYIAISKIREVMKQKLCEESVCPTIPVAARDERGFIL<br>LGLDVNKKVKKRIQLSPKKIKGYEVTSKVDLSELTSNVFPEGLPPSYVVFVSTQRFKVK<br>KIWDLWRILTIDGRPQIAVTLNGVDKILLFTTTSVINGSQVVTFANPQVKTLFDEGWH<br>QIRLLVTEQDVTLYIDDQQIENKPLHPVLGILINGQTQIGKYSGKEETVQFDVQKLRIY<br>CDPEQNNRETACEIPGFNGECLNGPSDVGSTPAPCICPPGKPGGLQGPKGDPGLPG<br>NPGYPGQPGQDGKPGYQGIAGTPGVPGSPGIQGARGLPYKGEPGRDGDKGDRG |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

LPGFPGLHGMPSKSGEMGAKGDKGSPGFYGKKGAKGEKGNAGFPGLPGPAGEPG  
 RHGKDGLMGSPGFKGEAGSPGAPGQDGTGRGEPGIPGFPGNRGLMGQKGEIGPPG  
 QQGKKGAPGMPGLMGSNGSPGQPGTPGSKGSKGEPGIQGMPGASGLKGEPGAT  
 GSPGEPGYMGLPGIQGKKGDKGNQGEKGIQGQKGNGRQGIPGQQGIQGHGAK  
 GERGEKGEPPGVRGAIGSKGESGVDGLMGPAKPKGQPGDPGPQGPGLDGKPGR  
 EFSEQFIRQVCTDVIRAQLPVLLQSGRIRNCDHCLSQHSGSPGIPGPPGPIGPEGPRG  
 LPGLPGRDGVPLVGVPPRPGVRGLKGLPGRNGEKGSQGFYGPGEQGPPEGPPGP  
 EGPPGISKEGPPGDPGLPGKDGHDGKPGIQGQPGPPGICDPSLCFSVIARRDPFRK  
 GPNYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**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** COL21A1 collagen type XXI alpha 1 chain [ Homo sapiens (human) ]

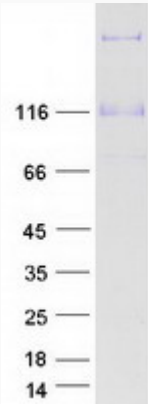
**Official Symbol** COL21A1

**Synonyms** COL21A1; collagen, type XXI, alpha 1; collagen alpha-1(XXI) chain; alpha 1 type XXI collagen; alpha 1 chain-like collagen; FP633; COLA1L; dJ708F5.1; dJ682J15.1; FLJ39125; FLJ44623; MGC26619; DKFZp564B052;

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|                |                                                                                     |
|----------------|-------------------------------------------------------------------------------------|
| Gene ID        | 81578                                                                               |
| mRNA Refseq    | NM_030820                                                                           |
| Protein Refseq | NP_110447                                                                           |
| MIM            | 610002                                                                              |
| UniProt ID     | Q96P44                                                                              |
| SDS-PAGE       |  |