

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

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

SPECIFICATION

Product Overview	COL21A1 MS Standard C13 and N15-labeled recombinant protein (NP_110447) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	99.4 kDa
AA Sequence	MAHYITFLCMVLVLLLQNSVLAEDGEVRSSCRTAPTDLVFILDGSYSVGPENFEIVKK WLVNITKNFDIGPKFIQVGVVQYSDYPVLEIPLGSYDSGEHLTAAVESILYLGNTKT GKAIQFALDYLFKSSRFLTKIAVVLTDGKSQDDVKDAAQAARDSKITLFAIGVGSETE DAELRAIANKPSSTYVFYVEDYIAISKIREVMKQKLCEESVCPTIPVAARDERGFIL LGLDVNKKVKKRIQLSPKKIKGYEVTSKVDLSELTSNVFPEGLPPSYVVFVSTQRFKVK KIWDLWRILTIDGRPQIAVTLNGVDKILLFTTTSVINGSQVVTFANPQVKTLFDEGWH QIRLLVTEQDVTLYIDDQQIENKPLHPVLGILINGQTQIGKYSGKEETVQFDVQKLRIY CDPEQNNRETACEIPGFNGECLNGPSDVGSTPAPCICPPGKPGGLQGPKGDPGLPG NPGYPGQPGQDGKPGYQGIAGTPGVPGSPGIQGARGLPYKGEPGRDGDKGDRG

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LPGFPGLHGMPSKSGEMGAKGDKGSPGFYGKKGAKGEKGNAGFPGLPGPAGEPG
 RHGKDGLMGSPGFKGEAGSPGAPGQDGTGRGEPGIPGFPGNRGLMGQKGEIGPPG
 QQGKKGAPGMPGLMGSNPSGQPGTPGSKGSKGEPGIQGMPGASGLKGEPGAT
 GSPGEPGYMGLPGIQGKKGDKGNQGEKGIQGGQKGENGRQGIPGQQGIQGHGAK
 GERGEKGEPPVVRGAIGSKGESGVDGLMGPAKPKGQPGDPGPQGPGLDGKPGR
 EFSEQFIRQVCTDVIRAQLPVLLQSGRIRNCDHCLSHGSPGIPGPPGPIGPEGPRG
 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	