

Product datasheet for **TP315724L**

COL21A1 (NM_030820) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human collagen, type XXI, alpha 1 (COL21A1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215724 protein sequence Red =Cloning site Green =Tags(s)

MAHYITFLCMVLVLLQNSVLAEDGEVRSSCRTAPTDLVFILDGSSVGPENFEIVKKWLVNITKNFDIG
PKFIQVGWVQYSDYPVLEIPLGSYDSGEHLTAAVESILYLGNTKTGKAIQFALDYLFAKSSRFLTIAV
VLTGDKSQDDVKDAAQAARDSKITLFAIGVGSETEDAELRAIANKPSSTYVFYVEDYIAISKIREVMKQK
LCEESVCPTRIIPVAARDERGFILLGLDVNKKVKKRIQLSPKKIKGYEVTSKVDLSELTSNVFPEGLPPS
YVFVSTQRFKVKKIWDLWRILTIDGRPQIAVTLNGVDKILLFTTTSVINGSQVWTFANPQVKTLFDEGWH
QIRLLVTEQDVTLYIDDQQIENKPLHPVLGILINGQTQIGKYSKKEETVQFDVQKLRIYCDPEQNNRETA
CEIPGFNGECLNGPSDVGSTPAPCICPPGKPGQLQGPKGDPGLPGNPGYPGQPGQDGKPGYQGIAGTPGV
P
GSPGIQGARGLPYKGEPRDGDGKDRGLPGFPGLHGMPGSKGEMGAKGDKGSPGFYGGKGAKEKG
NAG
FPGLPGPAGEPRHGDGLMGSPGFKGEAGSPGAPGQDGTGRGEPGIPGFPGNRGLMGQKGEIGPPGQ
QGK
KGAPGMPGLMGSNGSPGQPGTPGSKGSKGEPGIQGMPGASGLKGEPGATGSPGEPGYMGLPGIQGKK
GDK
GNQGEKGIQGQKGENGRQGIPGQQGIQGHGAKGERGEKGEPRGVRGAIGSKGESGVDGLMGPAKPKG
QPG
DPGPQGPPGLDGKPGREFSEQFIRQVCTDVIRAQLPVLLQSGRIRNCDHCLSQHGSPIPGPPPIGPEG
PRGLPGLPGRDGVPLVGPGRPGVRGLKGLPGRNGEKSGQFGYPGEQPPGPPGPEGPPGISKEGPP
G
DPGLPGKGDHKGKPGIQGQPGPPGICDPSLCFSVIARRDPFRKGPNY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

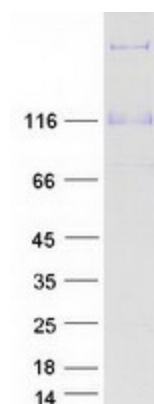
Tag:	C-Myc/DDK
Predicted MW:	96.8 kDa



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Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_110447
Locus ID:	81578
UniProt ID:	Q96P44
RefSeq Size:	4193
Cytogenetics:	6p12.3-p11.2
RefSeq ORF:	2871
Synonyms:	COLA1L; FP633
Summary:	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. [provided by RefSeq, Jan 2016]

Product images:



Coomassie blue staining of purified COL21A1 protein (Cat# [TP315724]). The protein was produced from HEK293T cells transfected with COL21A1 cDNA clone (Cat# [RC215724]) using MegaTran 2.0 (Cat# [TT210002]).