

Product datasheet for **TP311658L**

Collagen X (COL10A1) (NM_000493) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human collagen, type X, alpha 1 (COL10A1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211658 representing NM_000493 Red =Cloning site Green =Tags(s)

MLPQIPFLLLVS LNLVHGVFYAERYQMPTGIKGLPNTKTQFFIPYTIKSKGIAVRGEQGTPGPPGPAGP
 RGHPGPGSGPPGKPGYGSPLQGEPLGPPGPSAVGKPGVPLPGKPGERGPYGPKGDVGPAGLPGRGP
 PGPPGIPGAGISVPGKPGQQGPTGAPGRGFPGEKAGPVGMNGQKGEMGYGAPRGERGLPGPQGP
 TGPSGPPGVGKRGENVPGQPGIKGDRGFPGEMGPIGPPGQPPGERGPEGIGKPGAAGAPGQPGIPGT
 KGLPGAPGIAGPPGPPGFGKPLGLKGERGPAAGLPGGPGAKGEQGPAGLPKPLTGPNGMGPQGPKG
 IPGSHGLPGPKGETGPAGPAGYPGAKGERGSPGSDGKPGYPGKPLDGPKNPGLPGPKGDPGVGGPPGL
 PGPVGPAGAKGMPGHNGEAGPRGAPGIPGTRGPIGPPGIPGFPKSKGDPGSPGPPGAGIATKGLNGPTG
 PPGPPGRGHSGEPLGPPGPPGPPGQAVMPEGFIKAGQRPSLSGTPLVSAQGVGTMPVSAFTVILSK
 AYP AIGTPIPFDKILYNRQQHYDPRTGIFTCQIPGIYFYSYHVHVKGTHVWVGLYKNGTPVMYTYDEYTK
 GYLDQASGSAIIDLTENDQVWLQLPNAESNGLYSSEYVHSSFSGLVAPM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

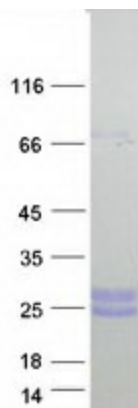
Tag:	C-Myc/DDK
Predicted MW:	64.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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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_000484
Locus ID:	1300
UniProt ID:	Q03692
RefSeq Size:	3285
Cytogenetics:	6q22.1
RefSeq ORF:	2040
Summary:	This gene encodes the alpha chain of type X collagen, a short chain collagen expressed by hypertrophic chondrocytes during endochondral ossification. Unlike type VIII collagen, the other short chain collagen, type X collagen is a homotrimer. Mutations in this gene are associated with Schmid type metaphyseal chondrodysplasia (SMCD) and Japanese type spondylometaphyseal dysplasia (SMD). [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified COL10A1 protein (Cat# [TP311658]). The protein was produced from HEK293T cells transfected with COL10A1 cDNA clone (Cat# [RC211658]) using MegaTran 2.0 (Cat# [TT210002]).