

Product datasheet for **TP311658M**

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), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC211658 representing NM_000493 Red =Cloning site Green =Tags(s) |
| | MLPQIPFLLLVS LN LVHGVFYAERYQMPTGIKGLPNTKTQFFIPYTIKSKGIAVRGEQGTGPPGPAGP RGHPGPGSGPPGKPGYGSPLQGEPLGPPGPSAVGKPGVPLPGKPGERGPYGPKGDVGPAGLPGRGP PGPPGIPGAGISVPGKPGQQGPTGAPGRGFPGEKAGPVPMNGQKGEMGYGAPRGERGLPGPQGP TGPSGPPGVGKRGENVPGQPGIKGDRGFPGEMGPIGPPGQPPGERGPEGIGKPGAAGAPGQPGIPGT KGLPGAPGIAGPPGPPGFGKPLGLKGERGPAAGLPGGPGAKGEQGPAGLPGKPLTGPPGNMGPQGPKG IPGSHGLPGPKGETGPAGPAGYPGAKGERGSPGSDGKPGYPGKPLDGPKNPGLPGKGDVGGPPGL PGVPGPAGAKGMPGHNGEAGPRGAPGIPGTRGPIGPPGIPGFPKSKGDPGSPGPPGAGIATKGLNGPTG PPGPPGPRGHSGEPLGPPGPPGPPGQAVMPEGFIKAGQRPSLSGTPLVSAQGVGTMPVSAFTVILSK AYPAIGTPIPFDKILYNRQQHYDPRTGIFTCQIPGIYFYSYHVHVKGTHVWVGLYKNGTPVMYTYDEYTK 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

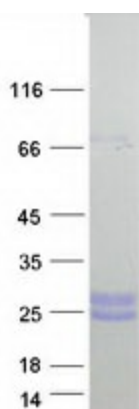
Cytogenetics: 6q22.1

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]).