

Product datasheet for **TP318704M**

Collagen VI (COL6A2) (NM_058174) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human collagen, type VI, alpha 2 (COL6A2), transcript variant 2C2a, 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC218704 representing NM_058174
Red=Cloning site Green=Tags(s)

MLQGTCSVLLWLGILGAIQAQQEVISPDTERNNNCPEKTDCEPIHVYFVLDTSSEVTMQSPTDILLFHM
 KQFVPQFISQLQNEFYLDQVALSWRYGGLHFSDQVEVFSPPGSDRASFIKNLQGISSFRRGTFTDCALAN
 MTEQIRQDRSKGTVHFVAVITDGHVTGSPCGGIKQAERAREEGIRLFAVAPNQLKEQGLRDIASHPHE
 LYRNDYATMLPDSTEINQDTINRIIKVMKHEAYGECYKVSLEIPGPSGPKGYRGQKGAKNMGEPGEPG
 QKGRQGDPIEGPIGFPKGVPGFKGEKGEFGADGRKGAPGLAGKNGTDGQKGLGRIGPPGCKGDPGN
 RGPDPGYPGEAGSPGERGDQGGKGDPRPGRRPPGEIGAKGSKGYQGNNGAPGSPGVKGAKGPPGPRGPK
 GEPGRRGDPGTKGSPGSDGPKGEKGDPEGPRGLAGEVGNKGAKGDRGLPGPRGPQALGEPGKQGSRG
 DPGDAGPRGDSGQPGPKGDPGRPGFSYPGRGAPGEKGEPPRGPPEGGRGDFLKGEPGRKGEKGEPADP
 GPPGEPGRGPRGVPGEPEGPPGDPGLTECDVMTYVRETCCCDCEKRCGALDVVVIDSSESIGYTN
 FTLEKNFVINVNRLGAIKDPKSETGTRVGVVQYSHEGTFEAIQLDDEHIDSLSSFKEAVKNLEWIAGG
 TWTPSALKFAYDRLIKESRRQKTRVFAVITDGRHDPDRDDLNLRALCDRDVTVTAIGIDMFHEKHESE
 NLYSIACDKPQQVRNMTLFSDLVAEKFIDDMEDVLCPPDQIVCPDLPCQTDAPWPGGEPVTLRTEEGP
 DATFPRTIPLIQLLNATELTQDPAAYSQLVAVLVYTAERAKFATGVERQDWMELFIDTFKLVHRDIVGD
 PETALALC

SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 95.3 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.



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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_478054](#)

Locus ID: 1292

UniProt ID: [P12110](#)

RefSeq Size: 3145

Cytogenetics: 21q22.3

RefSeq ORF: 2754

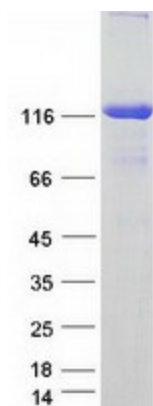
Synonyms: BTHLM1; PP3610; UCMD1

Summary: This gene encodes one of the three alpha chains of type VI collagen, a beaded filament collagen found in most connective tissues. The product of this gene contains several domains similar to von Willebrand Factor type A domains. These domains have been shown to bind extracellular matrix proteins, an interaction that explains the importance of this collagen in organizing matrix components. Mutations in this gene are associated with Bethlem myopathy and Ullrich scleroatonic muscular dystrophy. Three transcript variants have been identified for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Secreted Protein

Protein Pathways: ECM-receptor interaction, Focal adhesion

Product images:



Coomassie blue staining of purified COL6A2 protein (Cat# [TP318704]). The protein was produced from HEK293T cells transfected with COL6A2 cDNA clone (Cat# [RC218704]) using MegaTran 2.0 (Cat# [TT210002]).