

Product datasheet for **TP315981M**

Collagen XV (COL15A1) (NM_001855) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human collagen, type XV, alpha 1 (COL15A1), 100 µg
Species:	Human
Expression Host:	HEK293T



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Expression cDNA Clone or AA Sequence: >RC215981 representing NM_001855
Red=Cloning site Green=Tags(s)

MAPRRNNGQCWCLLMLLSVSTPLPAVTQTRGATETASQGHDLTQLIGVPLPSSVSFVTGYGGFPAYSFG
 PGANVGRPARTLIPSTFFRDFAISSVVVKPSSTRGGVLAITDAFQKVIYLGRLSGVEDGHQRIILYYTE
 PGSHVSQEAAAFSVPVMTWRNRFAMIVQGEEVTLVNCEEHSRIPFQRSSQALAFESSAGIFMGNAGAT
 GLERFTGSLQQLTVHPDPRTPEELCDPEESSASGETSGLQEADGVAEILEAVTYTQASPKEAKVEPINTP
 PTPSSPFEDMELSGEPVPEGTLETTNMSIIQHSSPKQGSSEILNDTLEGVHSDVDGDPITDSGSGAGAFD
 IAEENLAATAAGLAEPVISTAGEAEASSVPTGGPTLSMSTENPEEGVTPGPDNEERLAATAAGEAEALA
 SMPGEVEASGVAPGELDLSMSAQSLGEEATVGPSSDSLTTAAAATEVSLSTFEDEEASGVPTDGLAPLT
 ATMAPERAVTSGPGDEEDLAAATTEELITAGGEESSGPPPDGPPLPLPTVAPERWITPAQREHVGMKGQ
 AGPKGEKGDAGEELPGPPEPSGPVGPTAGAEAGSGLGWGSDVSGSGDLVGSEQLLRGPPGPPGPPGL
 P
 GIPGKPGTDVFMGPPGSPGEDGPAGEPGPPGPEGQPGVDGATGLPGMKGEKGARGPNGSVGEKGDGP
 NRG
 LPGPPGKKKGAGPPGVMGPPGPPGPPGPPGCTMGLGFEDTEGSGSTQLLNEPKLSRPTAAIGLKGEK
 G
 DRGPKGERGMDGASIVGPPGPRGPPGHKVLNSLINITHGFMNFSDIPELVGPPGPDGLPGLPGFPGR
 GPKGDTGLPGFPGLKGEQGEKGEPAILTEDIPLERLMGKKGEPMHGAPGPMGPKGPPGHKGEFGLP
 GR
 PGRPGLNGLKGTGDPGVIMQGPPLPGPPGPPGPPGAVINIKGAIFPIVRPHCKMPVDTAHPGSPELI
 TFHGVKGEKGSWGLPGSKGEKGDQGAQGPPLDLAYLRHFLNNLKGENGDKGFKGEKGEKGDINGS
 FL
 MSGPPGLPGNPGPAGQKGETVVGPPQGPAGPLPGPPGFRPGDPGPPGPPGPPGPPAILGAVALPG
 PP
 GPPGQPLPGSRNLVTAFSNMDDMLQKAHLVIEGTFIYLRDSTEFFIRVRDGWKKLQLGELIPIPADSPP
 PPALSSNPQLPPPNPISSANYEKPALHLAALNMPFSGDIRADFQCFKQARAAGLLSTYRAFLSSHLQD
 LSTIVRKAERYSLPIVNLKGQVLFNNWDSIFSGHGGQFNMHPIYSFDRDITDPSWPQKVIWHGSSPH
 GVRLVDNYCEAWRTADTAVTGLASPLSTGKILDQKAYSCANRLIVLCIENSFMTDARK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 138.9 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

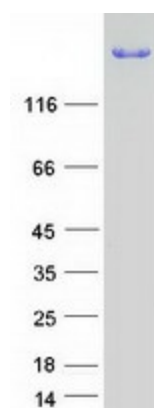
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

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.
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:	<u>NP_001846</u>
Locus ID:	1306
UniProt ID:	<u>P39059</u>
RefSeq Size:	5222
Cytogenetics:	9q22.33
RefSeq ORF:	4164
Summary:	This gene encodes the alpha chain of type XV collagen, a member of the FACIT collagen family (fibril-associated collagens with interrupted helices). Type XV collagen has a wide tissue distribution but the strongest expression is localized to basement membrane zones so it may function to adhere basement membranes to underlying connective tissue stroma. The proteolytically produced C-terminal fragment of type XV collagen is restin, a potentially antiangiogenic protein that is closely related to endostatin. Mouse studies have shown that collagen XV deficiency is associated with muscle and microvessel deterioration. [provided by RefSeq, May 2013]

Product images:



Coomassie blue staining of purified COL15A1 protein (Cat# [TP315981]). The protein was produced from HEK293T cells transfected with COL15A1 cDNA clone (Cat# [RC215981]) using MegaTran 2.0 (Cat# [TT210002]).