

## Product datasheet for TP315981L

### 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), 1 mg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC215981 representing NM\_001855  
Red=Cloning site Green=Tags(s)

MAPRRNNGQCWCLLMLLSVSTPLPAVTQTRGATETASQGHDLTQLIGVPLPSSVSFVTGYGGFPAYSFG  
 PGANVGRPARTLIPSTFFRDFAISVVKPSSSTRGGVLAITDAFQKVIYLGRLSGVEDGHQRIILYTE  
 PGSHVSQEAFAFSVPVMTHRWNRFAMIVQGEEVLLVNCEEHSRIPFQRSSQALAFESSAGIFMGNAGAT  
 GLERFTGSLQQLTVHPDPRTPPEELCDPEESSASGETSGLQEADGVAEILEAVTYTQASPKEAKVEPINTP  
 PTPSSPFEDMELSGEPVPEGTLETTNMSIIQHSSPKQGSGEILNDTLEGVHSVDGDPITDSGSGAGAFLD  
 IAEEKNLAATAAGLAEVPISTAGEAEASSVPTGGPTLSMSTENPEEGVTPGPDNEERLAATAAGEAEALA  
 SMPGEVEASGVAPGELDLSMSAQLGEEATVGPSSDSLTTAAAATEVSLSTFEDEEASGVPTDGLAPLT  
 ATMAPERAVTSGPGDEEDLAAATTEPLITAGGEESSGPPDPGPPPLPTVAPERWITPAQREHVMGKQG  
 AGPKGEGKDAGEELPGPPEPSGPVGTAGAEAGSGLGWGSDVSGSGDLVGVSEQLLRGPPGPPGPPGLP  
 GIPGKPGTDVFMGPPGSPGEDGPAGEPAPPGPEGQPGVDGATGLPGMKGEKGARGPNSVGEKGDGPNRG  
 LPGPPGKKGQAGPPGVMGPPGPPGPPGPPGCTMGLGFEDTEGSGSTQLLNEPKLSRPTAAIGLKGEKG  
 DRGPKGERGMDGASIVGPPGPRGPPGHIVLSNSLINITHGFMNFSDIPELVGPPGPDGLPGLPFPGPR  
 GPKGDTGLPFPGLKGEQGEKGEPEGAILTEDIPLERLMGKKGEPGMHGAPGMPGKPPGHKGEFGLPGR  
 PGRPGLNGLKGTGDPGVIMQPPGLPAPPGPPGPPGAVINIKGAIFPIVVRPHCKMPVDTAHPGSPELI  
 TFHGKGEKGSWGLPGSKGEKGDQGAQPPGPPDLAYLRHFLNLLKGENGDGKFKGEKGEKGDINGSFL  
 MSGPPGLPGNPGPAGQKGETVVGPPGPPGAPGLPAPPGFRPGDPGPPGPPGPPGPPAILGAAVALPAPP  
 GPPGQPLPGSRNLVTAFSNMDDMLQKAHLVIEGTFIYLRDSTEFFIRVRDGGWKKLQLGELIPIPADSPP  
 PPALSSNPQLPPPNPISSANYEKPALHLAALNMPFSGDIRADFQCFKQARAAGLLSTYRAFLSSHLQD  
 LSTIVRKAERYSLPIVNLKGQVLFNNWDSIFSGHGGQFNMHIPIYSFDGRDIMTDPSPWQKVIWHGSSPH  
 GVRLVDNYCEAWRTADTAVTGLASPLSTGKILDQKAYSCANRLIVLCIENSFMTDARK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

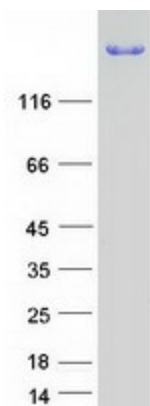
**Tag:** C-Myc/DDK  
**Predicted MW:** 138.9 kDa



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<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001846</a>
<b>Locus ID:</b>	1306
<b>UniProt ID:</b>	<a href="#">P39059</a> , <a href="#">B3KTP7</a>
<b>RefSeq Size:</b>	5222
<b>Cytogenetics:</b>	9q22.33
<b>RefSeq ORF:</b>	4164
<b>Summary:</b>	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]).