

Product datasheet for TP315981

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), 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC215981 representing NM_001855
Red=Cloning site Green=Tags(s)

MAPRRNNGQCWCLLMLLSVSTPLPAVTQTRGATETASQGHDLTQLIGVPLPSSVSFVTGYGGFPAYSFG
 PGANVGRPARTLIPSTFFRDFAVISVVKPSSSTRGGVLAITDAFQKVIYLGRLSGVEDGHQRIILYTE
 PGSHVSQEAFAFVPMTHRWNRFAMIVQGEEVLLVNCEEHSRIPFQRSSQALAFESSAGIFMGNAGAT
 GLERFTGSLQQLTVHPDPRTPPEELCDPEESSASGETSGLQEADGVAEILEAVTYTQASPKEAKVEPINTP
 PTPSSPFEDMELSGEPVPEGTLETTNMSIIQHSSPKQGSGEILNDTLEGVHSVDGDPITDSGSGAGAFLD
 IAEEKNLAATAAGLAEVPISTAGEAEASSVPTGGPTLSMSTENPEEGVTPGPDNEERLAATAAGEAEALA
 SMPGEVEASGVAPGELDLMSAQSLGEEATVGPSSDSLTTAAAATEVSLSTFEDEEASGVPTDGLAPLT
 ATMAPERAVTSGPGDEEDLAAATTEPLITAGGEESSGPPDPGPPPLPTVAPERWITPAQREHVMGKGQ
 AGPKGEGKDAGEELPGPPEPSGPVGTAGAEAGSGLGWGSDVSGSGDLVGVSEQLLRGPPGPPGPPGLP
 GIPGKPGTDVFMGPPGSPGEDGPAGEPAPPGPEGQPGVDGATGLPGMKGEKGARGPNSVGEKGDGPNRG
 LPGPPGKKGQAGPPGVMGPPGPPGPPGPPGCTMGLGFEDTEGSGSTQLLNEPKLSRPTAAIGLKGEKG
 DRGPKGERGMDGASIVGPPGPRGPPGHIVLSNSLINITHGFMNFSDIPELVGPPGPDGLPGLPFPGP
 GPKGDTGLPFPGLKGEQGEKGEPEGAILTEDIPLERLMGKKGEPGMHGAPGMPGPKGPPGHKGEFGLPGR
 PGRPGLNGLKGTGDPGVIMQPPGLPAPPGPPGPPGAVINIKGAIFPIVVRPHCKMPVDTAHPGSELI
 TFHGKGEKGSWGLPGSKGEKGDQGAQPPGPPDLAYLRHFLNLLKGENGDGKFKGEKGEKGDINGSFL
 MSGPPGLPGNPGPAGQKGETVVGPPGPPGAPGLPAPPGFRPGDPGPPGPPGPPGPPAILGAAVALPAPP
 GPPGQPLPGSRNLVTAFSNMDDMLQKAHLVIEGTFIYLRDSTEFFIRVRDGGWKKLQLGELIPIPADSPP
 PPALSSNPQLPPPNPISSANYEKPALHLAALNMPFSGDIRADFQCFKQARAAGLLSTYRAFLSSHLQD
 LSTIVRKAERYSLPIVNLKGQVLFNNWDSIFSGHGGQFNMHIPIYSFDGRDIMTDPSWPQKVIWHGSSPH
 GVRLVDNYCEAWRTADTAVTGLASPLSTGKILDQKAYSCANRLIVLCIENSFMTDARK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

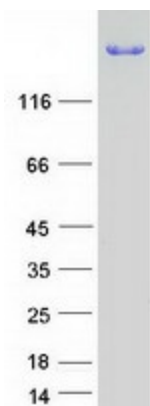
Tag: C-Myc/DDK
Predicted MW: 138.9 kDa



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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:	NP_001846
Locus ID:	1306
UniProt ID:	P39059 , B3KTP7
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]).