Recombinant Full Length Human COL15A1 Protein, C-Flag-tagged

Cat. No. COL15A1-277HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human COL15A1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	138.9 kDa
AA Sequence	MAPRRNNGQCWCLLMLLSVSTPLPAVTQTRGATETASQGHLDLTQLIGVPLPSSVS FVTGYGGFPAYSFG PGANVGRPARTLIPSTFFRDFAISVVVKPSSTRGGVLFAITDA FQKVIYLGLRLSGVEDGHQRIILYYTE PGSHVSQEAAAFSVPVMTHRWNRFAMIVQ GEEVTLLVNCEEHSRIPFQRSSQALAFESSAGIFMGNAGAT GLERFTGSLQQLTVH

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	PDPRTPEELCDPEESSASGETSGLQEADGVAEILEAVTYTQASPKEAKVEPINTP PT PSSPFEDMELSGEPVPEGTLETTNMSIIQHSSPKQGSGEILNDTLEGVHSVDGDPIT DSGSGAGAFLD IAEEKNLAATAAGLAEVPISTAGEAEASSVPTGGPTLSMSTENPEE GVTPGPDNEERLAATAAGEAEALA SMPGEVEASGVAPGELDLSMSAQSLGEEATV GPSSEDSLTTAAAATEVSLSTFEDEEASGVPTDGLAPLT ATMAPERAVTSGPGDEE DLAAATTEEPLITAGGEESGSPPPDGPPLPLPTVAPERWITPAQREHVGMKGQ AGP KGEKGDAGEELPGPPEPSGPVGPTAGAEAEGSGLGWGSDVGSGSGDLVGSEQLL RGPPGPPGPPGLP GIPGKPGTDVFMGPPGSPGEDGPAGEPGPPGPEGQPGVDG ATGLPGMKGEKGARGPNGSVGEKGDPGNRG LPGPPGKKGQAGPPGVMGPPGPP GPPGPPGPGCTMGLGFEDTEGSGSTQLLNEPKLSRPTAAIGLKGEKG DRGPKGER GMDGASIVGPPGPRGPPGHIKVLSNSLINITHGFMNFSDIPELVGPPGPDGLPGLPG FPGPR GPKGDTGLPGFPGLKGEQGEKGEPGAILTEDIPLERLMGKKGEPGMHGAP GPMGPKGPPGHKGEFGLPGR PGRPGLNGLKGTKGDPGVIMQGPPGLPGPPGPP GPPGAVINIKGAIFPIPVRPHCKMPVDTAHPGSPELI TFHGVKGEKGSWGLPGSKGE KGDQGAQGPPGPPLDLAYLRHFLNNLKGENGDKGFKGEKGEKGDINGSFL MSGPP GLPGNPGPAGQKGETVVGPQGPPGAPGLPGPPGFGRPGDPGPPGPPGPPGPPAI LGAAVALPGPP GPPGQPGLPGSRNLVTAFSNMDDMLQKAHLVIEGTFIYLRDSTEF FIRVRDGWKKLQLGELIPIPADSPP PPALSSNPHQLLPPPNPISSANYEKPALHLAAL NMPFSGDIRADFQCFKQARAAGLLSTYRAFLSSHLQD LSTIVRKAERYSLPIVNLKG QVLFNNWDSIFSGHGGQFNMHIPIYSFDGRDIMTDPSWPQKVIWHGSSPH GVRLVDNYCEAWRTADTAVTGLASPLSTGKILDQKAYSCANRLIVLCIENSFMTDAR KTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.

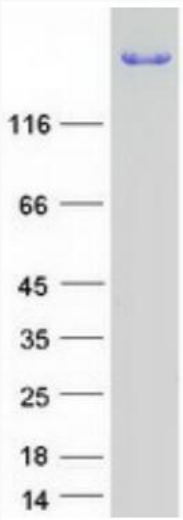
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Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	COL15A1 collagen type XV alpha 1 chain [Homo sapiens (human)]
Official Symbol	COL15A1
Synonyms	FLJ38566
Gene ID	1306
mRNA Refseq	NM_001855.5
Protein Refseq	NP_001846.3
MIM	120325
UniProt ID	P39059

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Coomassie blue staining of purified COL15A1 protein.

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