

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 PGANVGRPARTLIPSTFFRDFSAISVVVKPSSTRGGVLFAITDA FQKVIYLGRLSGVEDGHQRIILYYTE PGSHVSQEAAAFSVPVMTHRWNRFAMIVQ GEEVTLLVNCEEHSRIPFQRSSQALAFESSAGIFMGNAGAT GLERFTGSLQQLTVH

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PDPRTPEELCDPEESSASGETSGLQEADGVAEILEAVTYTQASPKEAKVEPINTP PT
 PSSPFEDMELSGEPVPEGTLETTNMSIIQHSSPKQGSGEILNDTLEGVHSDGDGPIT
 DSGSGAGAFD IAEEKNLAATAAGLAEVPISTAGEAEASSVPTGGPTLSMSTENPEE
 GVTPGPDNEERLAATAAGEAEALA SMPGEVEASGVAPGELDLSMSAQSLGEEATV
 GPSSDSLTTAAATEVSLSTFEDEEASGVPTDGLAPLT ATMAPERAVTSGPGDEE
 DLAAATTEEPLITAGGEESGSPPPDGPPLPLPTVAPERWITPAQREHVGMMKGQ AGP
 KGEKGDAGEELPGPPEPSGPVGPTAGAEAEAGSGLGWGSDVGSGSGDLVGSEQLL
 RGPPGPPGPPGLP GIPGKPGTDVFMGPPGSPGEDGPAGEPGPPGPEGQPGVDG
 ATGLPGMKGEKGARGPNGSVGEKGDPGNRG LPGPPGKKKGQAGPPGVMGPPGPP
 GPPGPPGPGCTMGLGFEDTEGSGSTQLLNEPKLSRPTAAIGLKGEKG DRGPKGER
 GMDGASIVGPPGPRGPPGHIKVLNSNLINITHGFMNFSDIPELVGPPGPDGLPGLPG
 FPGPR GPKGDTGLPGFPGKGEQGEKGEPGAILEDIPLERLMGKKGEPMHGAP
 GPMGPKGPPGHKGEFGLPGR PGRPGLNGLKGTGKDPGVIMQGPPLPGPPGPP
 GPPGAVINIKGAIFPIVRPHCKMPVDTAHPGSPELI TFHGVKGEKGSWGLPGSKGE
 KGDQGAQGPPLDLAYLRHFLNNLKGENDKGFKGEKGEKGDINGSFL MSGPP
 GLPGNPGPAGQKGETVVGPPQGPAGPLPGPPGFRPGDPGPPGPPGPPGPPAI
 LGAAVALPGPP GPPGQPLPGSRNLVTAFSNMDDMLQKAHLVIEGTFIYLRDSTEF
 FIRVRDGWKKLQLGELIIPADSP 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.

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

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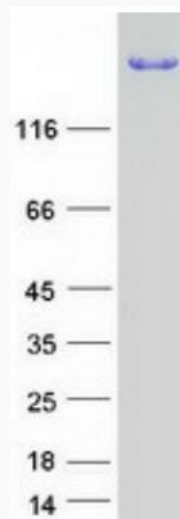
MIM	120325
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UniProt ID	P39059
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Coomassie blue staining of purified COL15A1 protein.

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