

## Product datasheet for PH315981

### Collagen XV (COL15A1) (NM\_001855) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	COL15A1 MS Standard C13 and N15-labeled recombinant protein (NP_001846)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215981
Predicted MW:	141.72 kDa
Protein Sequence:	>RC215981 representing NM_001855 Red=Cloning site Green=Tags(s)

MAPRRNNGQCWCLLMLLSVSTPLPAVTQTRGATETASQGHLDLTQLIGVPLPSSVSFVTGYGGFPAYSFG  
PGANVGRPARTLIPSTFFRDFAI SVVVKPSSTRGGVLF AITDAFQKVIYGLRLSGVEDGHQRIILYYTE  
PGSHVSQEAFAAFSVPVMTHRWRFAMIVQGEVTLVNCEEHSRIPFQRSSQALAFESSAGIFMGNAGAT  
GLERFTGSLQQLTVHPDPRTPPEELCDPEESSASGETSGLQEADGVAEILEAVTYTQASPKAKVEPINTP  
PTPSSPFEDMELSGEPVPEGTLETTNMSIIQHSSPKQSGEILNDTLEGVHSVGDGPDITDSGSGAGAFD  
IAEEKNLAATAAGLAEVPISTAGEAEASSVPTGGPTLSMSTENPEEGVTPGPDNEERLAATAAGEAEALA  
SMPGEVEASGVAPGELDLSMSAQLGEEATVGPSSEDSL TAAAAATEVSLSTFEDEEASGVPTDGLAPLT  
ATMAPERAVTSGPGDEEDLAAATTEEPLITAGGEESGSPPPDGPPPLPTVAPERWITPAQREHVMKKGQ  
AGPKGKGDAGEELPGPPEPSGPVGTAGAEAGSGLGWGSDVGSGLDLVGSEQLLRGPPGPPGGLP  
GIPGKPGTDVFMGPPGSPGEDGPGAGEPGPPGPEGQPGVDGATGLPGMKGEKGARGPNSVGEKGDGPNRG  
LPGPPGKKGQAGPPGVMGPPGPPGPPGPPGCTMGLGFEDTEGSGSTQLLNEPKLSRPTAAIGLKGEKG  
DRGPKGERGMDGASIVGPPGPRGPPGHKIVLSNSLINITHGFMNFSDIPELVGPPGDGLPGLPGFPGR  
GPKGDTGLPGFPGKGEQGEKGEPEGAILTEDIPLERLMGKKGEPGMHGAPGPMGPKGPPGHKGEFGLPGR  
PGRPGLNGLKGTGKDPGIMQPPGLPGPPGPPGPPGAVINIKGAI FIPVVRPHCKMPVDTAHPGSELI  
TFHGVKGEKGSWGLPGSKGEKGDQGAQPPGPPDLAYLRHFLNLLKGENGDKGFKGEKGEKGDINGSFL  
MSGPPGLPGNPGPAGQKGETVVGPPQGGAPGLGPPPGFGRPGDPGPPGPPGPPGPPAILGAVALPGPP  
GPPGQPLPGSRNLVTAFAFNMDMLQKAHLVIEGTFIYLRDSTEFFIRVRDGWKKLQLGELIPIPADSPP  
PPALSSNPQLLPPNP.ISSANYEKPALHLAALNMPFSGDIRADFQCFKQARAAGLLSTYRAFLSSHLQD  
LSTIVRKAERYSLPIVNLKGQVLFNNWDSIFSGHGGQFMHIPIYSFDGRDIMDPSWPQKVIWHGSSPH  
GVRLVDNYCEAWRTADTAVTGLASPLSTGKILDQKAYSCANRLIVLCIENSFMTDARK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

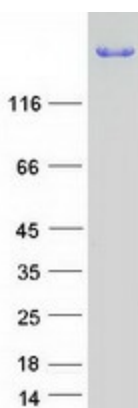
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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<b>Labeling Method:</b>	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3
<b>Storage:</b>	Store at -80°C. Avoid repeated freeze-thaw cycles.
<b>Stability:</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_001846</a>
<b>RefSeq Size:</b>	5222
<b>RefSeq ORF:</b>	4164
<b>Locus ID:</b>	1306
<b>UniProt ID:</b>	<a href="#">P39059</a> , <a href="#">B3KTP7</a>
<b>Cytogenetics:</b>	9q22.33
<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]).