

## Product datasheet for **TP311766M**

### Collagen III (COL3A1) (NM\_000090) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human collagen, type III, alpha 1 (COL3A1), 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >Peptide sequence encoded by RC211766  
 Blue=ORF Red=Cloning site Green=Tag(s)

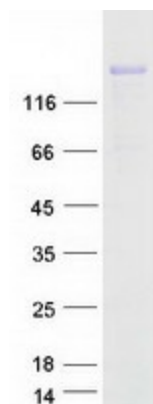
MMSFVQKGSWLLLALLHPTIILAQQEAVEGGCSHLGQSYADRDVWKPEPCQICVCDSSGVLCDIIICDD  
 QELDCPNPEIPFGECCAVCPQPPTAPTRPPNGQGPQPKGDPGPPGIPGRNGDPGIPGQPGSPGSPGPP  
 GICESCPTGPQNYSPQYDSYDVKSGVAVGGLAGYGPAGPPGPPGPGTSGHPGSPGSPGYQGPPGEPG  
 QAGSPGPPGPPGAIGPSGPAGKDGESGRPRGERGLPGLPGPIKGPAGIPGFPMKGHGFDGRNGEKG  
 ETGAPGLKGENGLPGENGAPGPMGPRGAPGERGRPLPGAAGARGNDGARGSDGQPGPPGPPGTAGFFG  
 SPGAKGEVGPAGSPGNSGAPGQRGEPGPQGHAGAQQPPGPPGINGSPPGKGMGPAGIPGAPGLMGARG  
 PPGPAGANGAPLRRGGAGEPGKNGAKGEPGPRGERGEAGIPGVPGAKGEDGKDGSPGEPGANLPGAAG  
 ERGAPGFRGPAGPNGIPGEKGPAGERGAPGAPGPRGAAGEPGRDGVPGGPMRGMGSPGGGSDGKPG  
 PPGSQGESGRPGPPGSPGRGQPGVMGFPGPKGNDGAPGKNGERGGPPGPGPQPPGKNGETGPQGGPP  
 PTGPGDKGDTGPPGPQQLQLPGLTGGPPGENGKPGEPGPKGDAGAPGGKGDAGAPGERGPPGLAG  
 APGLRRGAGPPGPEGKGAAGPPPPGAAGTGLQGMPPERGGLGSPGPKGDKGEPGGPGADGVPGKDG  
 PRGPTGPIGPPGAPQPGDKGEGGAPGLPIAGPRGSPGERGETGPPGPAGFPAGQNGEPGGKGERG  
 APGEKGEPPGVPAGPPGGSGPAGPPGPQGVKGERGSPGGPGAAGFPARGLPGPPGNSGNPGGPPGSPG  
 SPGKDGPPGAPNTGAPGSPGVSGPKGDAGQPGEKGSPPGAQGGPPGAPGLGIAGITGARGLAGPPGMPG  
 PRGSPGPQGVKGESGKPGANGLSGERGGPPGPQLPGLAGTAGEPGRDGNPDSGLPGRDGSPPGKGDGRG  
 ENGSPGAPGAPGHPGPPGVPGPAGKSGDRGESGPAGPAGAPGAGSRGAPGPQGRGDKGETGERGAAG  
 IKGHRGFPGNPGAPGSPGAPGQQAIGSPGAPRGPVGPSPGPKDGTSGHPGPIGPPGPRGNRGERG  
 SEGSPGHPGQPGPPGPPGAPGPPCCGGVGAAGIAGIGGEKAGGFAPYYGDEPMDFKINTDEIMTSLKSVN  
 GQIESLISPDGSRKNPARNCRDLKFCHPELKSGEYWVDPNQCKLDAIKVFCNMETGETCISANPLNVP  
 RKHWWTDSAEKKHWFVFGESMDGGFQFSYGNPELPELDVQLAFLRLLSSRASQNYHCKNSIAYMD  
 QASGNVKKALKLMGSNEGEFKAEGNSKFTYTVLEDGCTKHTGEWSKTVFEYRTRKAVRLPIVDIAPYDI  
 GGPDQEFVDVGPVCFL  
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Recombinant protein using RC211766 also available, [TP311766](#)



[View online »](#)

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	135.9 kDa
<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_000081</a>
<b>Locus ID:</b>	1281
<b>UniProt ID:</b>	<a href="#">P02461</a>
<b>RefSeq Size:</b>	5489
<b>Cytogenetics:</b>	2q32.2
<b>RefSeq ORF:</b>	4398
<b>Synonyms:</b>	EDS4A; EDSVASC; PMGEDSV
<b>Summary:</b>	This gene encodes the pro-alpha1 chains of type III collagen, a fibrillar collagen that is found in extensible connective tissues such as skin, lung, uterus, intestine and the vascular system, frequently in association with type I collagen. Mutations in this gene are associated with Ehlers-Danlos syndrome types IV, and with aortic and arterial aneurysms. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene. [provided by R. Dalgleish, Feb 2008]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	ECM-receptor interaction, Focal adhesion

**Product images:**

Coomassie blue staining of purified COL3A1 protein (Cat# [TP311766]). The protein was produced from HEK293T cells transfected with COL3A1 cDNA clone (Cat# [RC211766]) using MegaTran 2.0 (Cat# [TT210002]).