

Product datasheet for **TP311766L**

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), 1 mg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >Peptide sequence encoded by RC211766
 Blue=ORF Red=Cloning site Green=Tag(s)

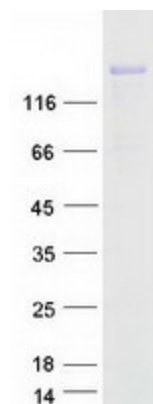
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 GGPDQEFVDVGPVCFL
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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



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Tag:	C-Myc/DDK
Predicted MW:	135.9 kDa
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_000081
Locus ID:	1281
UniProt ID:	P02461
RefSeq Size:	5489
Cytogenetics:	2q32.2
RefSeq ORF:	4398
Synonyms:	EDS4A; EDSVASC; PMGEDSV
Summary:	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]
Protein Families:	Druggable Genome
Protein Pathways:	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]).