

# Recombinant Human COL3A1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** COL3A1-5149H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	COL3A1 MS Standard C13 and N15-labeled recombinant protein (NP_000081) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</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.
<b>Molecular Mass</b>	138.6 kDa
<b>AA Sequence</b>	Tag(s)MMSFVQKGSWLLLALLHPTIILAQQEAVEGGCSHLGQSYADRDVWKPEPCQI CVCDSGSVLCDDIICDDQELDCPNPEIPFGECCA VCPQPPTAPTRPPNGQGPQGP GDPGPPGIPGRNGDPGIPGQPGSPGSPGPPGICESCPTGPQNYSPQYDSYDVKSG VAVGGLAGYGPAGPPGPPGPPGTSGHPGSPGSPGYQGPPGEPGQAGPSGPPG PPGAIGPSGPAGKDGESGRPGRPGERGLPGPPGIKGPAGIPGFPGMKGHRGFDGR NGEKGETGAPGLKGENGLPGENGAPGPMGPRGAPGERGRPLPGAAGARGNDG ARGSDGQPGPPGPPGTAGFPGSPGAKGEVGPAGSPGSNGAPGQRGEPGPQGH

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<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** COL3A1 collagen type III alpha 1 chain [ Homo sapiens (human) ]

**Official Symbol** COL3A1

**Synonyms** COL3A1; collagen, type III, alpha 1; EDS4A, Ehlers Danlos syndrome type IV, autosomal dominant; collagen alpha-1(III) chain; collagen, fetal; alpha1 (III) collagen; Ehlers-Danlos syndrome type IV, autosomal dominant; EDS4A; FLJ34534;

**Gene ID** 1281

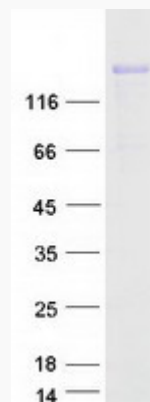
**mRNA Refseq** NM\_000090

**Protein Refseq** NP\_000081

**MIM** 120180

**UniProt ID** P02461

### SDS-PAGE



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