

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

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

SPECIFICATION

Product Overview	COL3A1 MS Standard C13 and N15-labeled recombinant protein (NP_000081) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	138.6 kDa
AA Sequence	Tag(s)MMSFVQKGSWLLLALLHPTIILAQQEAVEGGCSHLGQSYADRDVWKPEPCQI CVCDSGSVLCDDIICDDQELDCPNPEIPFGECCAVCPQPPTAPTRPPNGQGPQGP GDPGPPGIPGRNGDPGIPGQPGSPGSPGPPGICESCPTGPQNYSPQYDSYDVKSG VAVGGLAGYPGPAGPPGPPGPPGTSGHPGSPGSPGYQGPPGEPGQAGPSGPPG PPGAIGPSGPAGKDGESGRPGRPGERGLPGPPGIKGPAGIPGFPGMKGHRGFDGR NGEKGETGAPGLKGENLPGENGAPGPMGPRGAPGERGRPLPGAAGARGNDG ARGSDGQPGPPGPPGTAGFPSPGAKGEVGPAGSPGSNGAPGQRGEPGPQGH

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GAQGPPGPPGINGSPPGGKGEMGPAGIPGAPGLMGARGPPGPAGANGAPGLRGA
 GEPGKNGAKGEPGPRGERGEAGIPGVPGAKGEDGKDGSPPGEPGANLPGAAGER
 GAPGFRGPAGPNGIPGEKGPAGERGAPGPAGPRGAAGEPGRDGVPGGPGMRGM
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 KAEGNSKFTYTVLEDGCTKHTGEWSKTVFEYRTRKAVRLPIVDIAPYDIGGPDQEF
 VDVGPVCFLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

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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

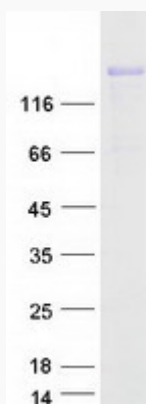
mRNA Refseq NM_000090

Protein Refseq NP_000081

MIM 120180

UniProt ID P02461

SDS-PAGE



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