

Recombinant Full Length Human COL3A1 Protein, GST-tagged

Cat. No. COL3A1-2163HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human COL3A1 full-length ORF (AAH28178, 25 a.a. - 1163 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1163 amino acids
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. [provided by R. Dalgleish, Feb 2008]
Molecular Mass	151.03 kDa
AA Sequence	<p>QEAVEGGCSHLGQSYADRDVWKPEPCQICVCDSGSVLCDDIICDDQELDCPNPEIP FGECCA VCPQPPTAPTRPPNGQGPQGPKGDPGPPGIPGRNGDPGIPGQPGSPGS PGPPGICESCPTGPQNYSPQYDSYDVKSGVAVGGLAGYPGPAGPPGPPGPPGTSG HPGSPGSPGYQGGPEPGQAGPSGPPGPPGAIGPSGPAGKDGESGRPGRPGER GLPGPPGIKGPAGIPGFPGMKGHRGFDGRNGEKGETGAPGLKGENGLPGENGAP GPMGPRGAPGERGRPGLPGAAGARGNDGARGSDGQPGPPGPPGTAGFPGPSGA KGEVGPAGSPGSNGAPGQRGEPGPQGHAGAQQGPPGPPGINGSPPGGK GEMGPAG</p>

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IPGAPGLMGARGPPGPAGANGAPGLRGGAGEPGKNGAKGEPGPRGERGEAGIPG
 VPGA KGEDGKDGSPGEPGANGLPGAAGERGAPGFRGPAGPNGIPGEKGPAGERG
 APGPAGPRGAAGEPGRDGVPGGPGMRGMPGSPGGPGSDGKPGPPGSQGESGR
 PGPPGPSGPRGQPGVMGFPGPKGNDGAPGKNGERGGPGGPGPQGGPPGKNGET
 GPQGGPGTGPGGDKGDTGPPGPQGLQGLPGTGGPPGENGKPGEPGPKGDAGA
 PGAPGGKGDAGAPGERGPPGLAGAPGLRGGAGPPGPEGGKGAAGPPGPPGAAG
 TPGLQGMPGERGGLGSPGPKGDKGEPGGPGADGVPGKDGPRGPTGPIGPPGPA
 GQPGDKGEGGAPGLPGIAGPRGSPGERGETGPPGPAGFFGAPGQNGEPGGKGE
 RGAPGEKGE GPPGVAGPPGKDGTSGHPIGPPGPRGNRGERGSEGSPGHPG
 QPGGPPGAPGPCCGGVGA AAIAGIGGEKAGGFAPYYGDEPMDFKINTDEIMTSL
 KSVNGQIESLISPDGSRKNPARNCRDLKFCHPELKS GEYWVDPNQGCKLDAIKVFC
 NMETGETCISANPLNVPRKHWWTDSSAEKKHVWFGESMDGGFQFSYGNPELPE
 VLDVQLAFLRLLSSRASQNITYHCKNSIAYMDQASGNVKKALKLMGSNEGEFKAEGN
 SKFTYTVLEDGCTKHTGEWSKTVFEYRTRKAVRLPIVDIAPYDIGGPDQEFVGVGP
 VCFL

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

COL3A1 collagen, type III, alpha 1 [Homo sapiens]

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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

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