



Human COL3A1 peptide (DAG-P0368)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the fibrillar collagen family. Contains 1 fibrillar collagen NC1 domain. Contains 1 VWFC domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	COL3A1 collagen, type III, alpha 1 [Homo sapiens (human)]
Official Symbol	COL3A1
Synonyms	COL3A1; collagen, type III, alpha 1; EDS4A; collagen alpha-1(III) chain; collagen, fetal; alpha1 (III) collagen; Ehlers-Danlos syndrome type IV, autosomal dominant;
Entrez Gene ID	1281

mRNA Refseq	NM_000090.3
Protein Refseq	NP_000081.1
UniProt ID	P02461
Chromosome Location	2q31
Pathway	Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Assembly of collagen fibrils and other multimeric structures, organism-specific biosystem; Binding and Uptake of Ligands by Scavenger Receptors, organism-specific biosystem; Collagen biosynthesis and modifying enzymes, organism-specific biosystem; Collagen formation, organism-specific biosystem; ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Endothelins, organism-speci
Function	SMAD binding; extracellular matrix structural constituent; integrin binding; integrin binding; metal ion binding; platelet-derived growth factor binding; protein binding;