

Product datasheet for **RA006**

Collagen type III alpha 1 chain Bovine Protein

Product data:

Product Type:	Native Proteins
Description:	Collagen type III alpha 1 chain bovine protein, 0.5 mg
Species:	Bovine
Protein Source:	Placenta
Concentration:	lot specific
Purity:	>98% Chromatographically and immunologically pure.
Buffer:	State: Liquid (sterile filtered) purified Ig fraction. Buffer System: 0.5M Acetic Acid, pH 4.5 containing 0.01% Sodium Azide as preservative and without stabilizers.
Preparation:	Liquid (sterile filtered) purified Ig fraction.
Applications:	Suitable for use as a control or standard in indirect trapping ELISA for quantitation of antigen in serum using a standard curve, for Immunoprecipitation and for Western blotting.
Protein Description:	This antigen has been prepared from bovine placenta and is free from other collagens, serum proteins and non-collagen extracellular matrix proteins. Reacts with anti-Collagen Type III. Reaction with anti-Collagen I, II, IV, V or VI is negligible (typically less than 1% cross reactivity was detected by ELISA.
Storage:	Store vial at 2-8°C prior to opening. This product is stable 2-8°C as an undiluted liquid. Dilute only prior to immediate use.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000081
Locus ID:	1281
Cytogenetics:	2q32.2
Synonyms:	EDS4A; EDSVASC; PMGEDSV



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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