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Product datasheet for RA010

Collagen type V Bovine Protein

Product data:

Product Type:	Native Proteins
Description:	Collagen type V bovine protein, 0.5 mg
Species:	Bovine
Protein Source:	Placenta
Concentration:	lot specific
Purity:	Prepared from Bovine Placenta and is chromatographically and immunologically pure
Buffer:	Presentation State: Purified State: Liquid (sterile filtered) purified Ig fraction Buffer System: 0.5 M Sodium Acetate, pH 4.5 Preservative: 0.01% (w/v) Sodium Azide Stabilizer: None
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 other immunological assays optimized by the customer.
Protein Description:	This product reacts with anti-Collagen Type V. Reaction with anti-Collagen I, II, III, IV or VI is negligible (typically less than 1% cross reactivity detected by ELISA).
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000084
Locus ID:	1289
Cytogenetics:	9q34.3
Synonyms:	EDSC; EDSCL1; FMDMF

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Summary: This gene encodes an alpha chain for one of the low abundance fibrillar collagens. Fibrillar collagen molecules are trimers that can be composed of one or more types of alpha chains. Type V collagen is found in tissues containing type I collagen and appears to regulate the assembly of heterotypic fibers composed of both type I and type V collagen. This gene product is closely related to type XI collagen and it is possible that the collagen chains of types V and XI constitute a single collagen type with tissue-specific chain combinations. The encoded procollagen protein occurs commonly as the heterotrimer pro-alpha1(V)-pro-alpha1(V)-pro-alpha2(V). Mutations in this gene are associated with Ehlers-Danlos syndrome, types I and II. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, May 2013]

Protein Families: Druggable Genome

Protein Pathways: ECM-receptor interaction, Focal adhesion