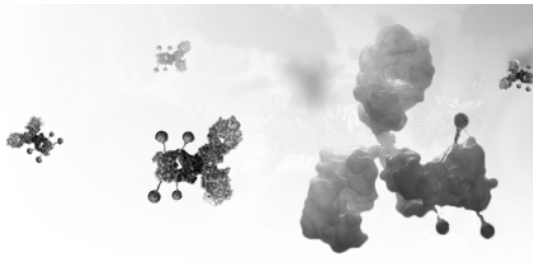

Human ADAMTS5 peptide (DAG-P1346)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The enzyme encoded by this gene contains two C-terminal TS motifs and functions as aggrecanase to cleave aggrecan, a major proteoglycan of cartilage. [provided by RefSeq, Jul 2008]
Specificity	Expressed at low level in placenta primarily but also detected in heart and brain, cervix, uterus, bladder, esophagus, rib cartilage, chondroblastoma, fibrous tissue and a joint capsule from an arthritic patient.
Conjugate	Unconjugated
Sequence Similarities	Contains 1 disintegrin domain.Contains 1 peptidase M12B domain.Contains 2 TSP type-1 domains.
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	ADAMTS5 ADAM metallopeptidase with thrombospondin type 1 motif, 5 [Homo sapiens (human)]
Official Symbol	ADAMTS5

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Synonyms	ADAMTS5; ADAM metallopeptidase with thrombospondin type 1 motif, 5; ADMP-2; ADAM-TS5; ADAMTS-5; ADAMTS11; ADAM-TS 5; ADAMTS-11; ADAM-TS 11; A disintegrin and metalloproteinase with thrombospondin motifs 5; aggrecanase-2; a disintegrin and metalloproteinase with thrombospondin motifs 11; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 5 (aggrecanase-2);
Entrez Gene ID	11096
mRNA Refseq	NM_007038.3
Protein Refseq	NP_008969.2
UniProt ID	Q9UNA0
Chromosome Location	21q21.3
Pathway	Degradation of the extracellular matrix, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Endochondral Ossification, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem;
Function	integrin binding; metalloendopeptidase activity; metallopeptidase activity; protein binding; zinc ion binding;

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