



## Rat ACAN peptide (DAG-P1298)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	This gene is a member of the aggrecan/versican proteoglycan family. The encoded protein is an integral part of the extracellular matrix in cartilagenous tissue and it withstands compression in cartilage. Mutations in this gene may be involved in skeletal dysplasia and spinal degeneration. Multiple alternatively spliced transcript variants that encode different protein isoforms have been observed in this gene. [provided by RefSeq, Jul 2008]
<b>Conjugate</b>	Unconjugated
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	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

<b>Gene Name</b>	<a href="#">ACAN aggrecan [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	ACAN
<b>Synonyms</b>	ACAN; aggrecan; AGC1; SEDK; AGCAN; CSPG1; MSK16; CSPGCP; aggrecan core protein; large aggregating proteoglycan; cartilage-specific proteoglycan core protein; chondroitin sulfate proteoglycan core protein 1;
<b>Entrez Gene ID</b>	<a href="#">176</a>
<b>mRNA Refseq</b>	<a href="#">NM_001135.3</a>
<b>Protein Refseq</b>	<a href="#">NP_001126.3</a>

<b>UniProt ID</b>	E7ENV9
<b>Chromosome Location</b>	15q26.1
<b>Pathway</b>	Degradation of the extracellular matrix, organism-specific biosystem; Disease, organism-specific biosystem; ECM proteoglycans, organism-specific biosystem; Endochondral Ossification, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; Glycosaminoglycan metabolism, organism-specific biosystem; Keratan sulfate biosynthesis, organism-specific biosystem; Keratan sulfate degradation, organism-specific biosystem; Keratan sulfate/keratin metabolism, organism-spe
<b>Function</b>	carbohydrate binding; extracellular matrix structural constituent; hyaluronic acid binding; metal ion binding; protein binding;