

Recombinant Human ACAN cell lysate

Cat. No. ACAN-35HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	This gene is a member of the aggrecan/versican proteoglycan family. The encoded protein is an integral part of the extracellular matrix in cartilaginous 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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	ACAN aggrecan [Homo sapiens]
Official Symbol	ACAN
Synonyms	ACAN; aggrecan; AGC1, aggrecan 1 , chondroitin sulfate proteoglycan 1 , CSPG1, MSK16; aggrecan core protein; aggrecan proteoglycan; CSPGCP; large aggregating proteoglycan; cartilage-specific proteoglycan core protein; chondroitin sulfate

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	proteoglycan core protein 1; AGC1; SEDK; AGCAN; CSPG1; MSK16;
Gene ID	176
mRNA Refseq	NM_001135
Protein Refseq	NP_001126
MIM	155760
UniProt ID	P16112
Chromosome Location	15q26.1
Pathway	Endochondral Ossification, organism-specific biosystem;
Function	binding; extracellular matrix structural constituent; hyaluronic acid binding; protein binding; sugar binding;