

Recombinant Human ACAN cell lysate

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

SPECIFICATION

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 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.

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 proteoglycan core protein 1; AGC1; SEDK; AGCAN; CSPG1; MSK16;

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| 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; |

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