

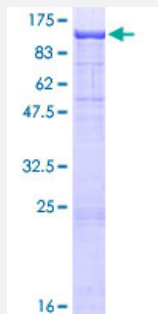
Full-Length

ACAN (Human) Recombinant Protein (P01)

Catalog # H00000176-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ACAN full-length ORF (AAH36445.1, 1 a.a. - 721 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTLLWVFVTLRVITAAVTVETSDHDNSLSVSIPQPSPLRVLLGTSLTIPCYFIDPMHPVTTAPSTAP
LAPRIKWSRVSKKEVLLVATEGRVRVNSAYQDKVSLPNYPAIPSDATLEVQSLRSNDSGVYRC
EVMHGIEDSEATLEVVKGMVFHYRAISTRYTLDQRAQRACLNQSAIATPEQLQAAAYEDGFHQCD
AGWLADQTVRYPIHTPREGCYGDKDEFPGVRTYGIRDTNETYDVYCFEEMEAGEVYFATSPEKFT
FQEAANECRRLGARLATTGQLYLAWQAGMDMCSAGWLADRSVRYPISKARPNCGGNLLGVRTV
YVHANQTGYDPSSRYDAICYTGEDFVDIPENFFGVGGEEDITVQTVTPDMELPLPRNITEGEAR
GSVILTVKPIFEVSPSPLEPEEPFTFAPEIGATAFAEVENETGEATRPWGFPTPGLGPATAFTSED
LVVQVTAVPGQPHLPGGVVFHYPGPTRYSLTFEEAQQAQLRTGAVIASPEQLQAAAYEAGYEQC
DAGWLRDQTVRYPIVSPRTPCVGDKDSSPGVRTYGVRPSTETYDVYCFVDRLEGEVFFATRLEQ
FTFQEALEFCESHNATLATTGQLYAAWSRGLDKCYAGWLADGSLRYPVTPRPACGGDKPGVRT
VYLYPNQTGLPDLPSRHHAFCFRGMQPHFGSNSPFCLERTPLGSPDPATTQYPIHQSKKMSVPL
GQSQL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

106

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ACAN

Entrez GeneID	176
GeneBank Accession#	BC036445.1
Protein Accession#	AAH36445.1
Gene Name	ACAN
Gene Alias	AGC1, AGCAN, CSPG1, CSPGCP, MSK16, SEDK
Gene Description	aggrecan
Omim ID	155760 608361
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	aggrecan 1 (chondroitin sulfate proteoglycan 1, large aggregating proteoglycan, antigen identified by monoclonal antibody A0122) aggrecan proteoglycan cartilage-specific proteoglycan core protein chondroitin sulfate proteoglycan 1 large aggregating proteo

Disease

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