

Recombinant Human VCAN protein, GST-tagged

Cat. No. VCAN-48H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VCAN(1 a.a. - 354 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-354 a.a.
Description	This gene is a member of the aggrecan/versican proteoglycan family. The protein encoded is a large chondroitin sulfate proteoglycan and is a major component of the extracellular matrix. This protein is involved in cell adhesion, proliferation, proliferation, migration and angiogenesis and plays a central role in tissue morphogenesis and maintenance. Mutations in this gene are the cause of Wagner syndrome type 1. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	65.7 kDa
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.

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Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [VCAN versican \[Homo sapiens \]](#)

Official Symbol [VCAN](#)

Synonyms

VCAN; versican; chondroitin sulfate proteoglycan 2 , CSPG2; versican core protein; PG M; versican proteoglycan; large fibroblast proteoglycan; glial hyaluronate-binding protein; chondroitin sulfate proteoglycan 2; chondroitin sulfate proteoglycan core protein 2; WGN; ERVR; GHAP; PG-M; WGN1; CSPG2; DKFZp686K06110;

Gene ID [1462](#)

mRNA Refseq [NM_001126336](#)

Protein Refseq [NP_001119808](#)

MIM [118661](#)

UniProt ID [P13611](#)

Chromosome Location 5q12-q14

Pathway

Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Direct p53 effectors, organism-specific biosystem; Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific biosystem;

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Function

binding; calcium ion binding; glycosaminoglycan binding; hyaluronic acid binding;
sugar binding;

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