

Recombinant Human VCAN protein, T7/His-tagged

Cat. No. VCAN-211H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant extracellular Ig-like type V domain of human VCAN cDNA (21 – 146 aa) fused with T7-His-TEV cleavage site Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	21-146 a.a.
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGQQMGRGRGHHHHHENLYFQGGFLHKVKVKGKSPVVRGSLSGKVSLPCH FSTMPTLPPSYNTSEFLRIKW SKIEVDKNGKDLKETTTLVAQNGNIKIGQDYKGRVS VPTHPEAVGDASLTVVKLLASDAGLYRCDVMYGIEDTQD TVSLT
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro non-glycosylated VCAN Ig-like V type domain mediated cell proliferation regulation study with this protein as either coating matrix protein or as soluble factor. 2. May be used for VCAN Ig-like V type domain protein – protein interaction assay. 3. Enzymatic substrate for various proteases. 4. May be used for specific antibody production.
Storage	Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at

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least 7 days.

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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