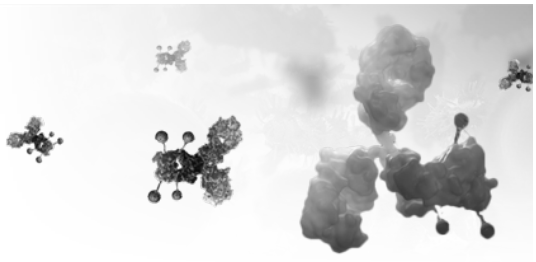

Human VCAN peptide (DAG-P1895)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Aug 2009]
Specificity	Cerebral white matter and plasma. Isoform V0 and isoform V1 are expressed in normal brain, gliomas, medulloblastomas, schwannomas, neurofibromas, and meningiomas. Isoform V2 is restricted to normal brain and gliomas. Isoform V3 is found in all these tissu
Purity	> 90 % by SDS-PAGE.This peptide is greater than 70% pure.
Conjugate	Unconjugated
Applications	Neut
Sequence Similarities	Belongs to the aggrecan/versican proteoglycan family.Contains 1 C-type lectin domain.Contains 2 EGF-like domains.Contains 1 Ig-like V-type (immunoglobulin-like) domain.Contains 2 Link domains.Contains 1 Sushi (CCP/SCR) domain.
Format	Liquid
Buffer	Double distilled water or equivalent after reconstitution.
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Double distilled water or equivalent after reconstitution.

GENE INFORMATION

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Gene Name	VCAN versican [Homo sapiens (human)]
Official Symbol	VCAN
Synonyms	VCAN; versican; WGN; ERVR; GHAP; PG-M; WGN1; CSPG2; versican core protein; versican proteoglycan; large fibroblast proteoglycan; glial hyaluronate-binding protein; chondroitin sulfate proteoglycan 2; chondroitin sulfate proteoglycan core protein 2;
Entrez Gene ID	1462
mRNA Refseq	NM_001126336.2
Protein Refseq	NP_001119808.1
UniProt ID	P13611
Chromosome Location	5q14.3
Pathway	A tetrasaccharide linker sequence is required for GAG synthesis, organism-specific biosystem; CS/DS degradation, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Chondroitin sulfate biosynthesis, organism-specific biosystem; Chondroitin sulfate/dermatan sulfate metabolism, organism-specific biosystem; Dermatan sulfate biosynthesis, organism-specific biosystem; Direct p53 effectors, organism-specific bio
Function	calcium ion binding; carbohydrate binding; glycosaminoglycan binding; hyaluronic acid binding; protein binding;

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