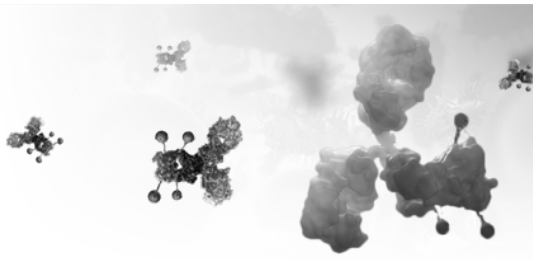

Human VCL peptide (DAG-P2040)

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

PRODUCT INFORMATION

Antigen Description	Vinculin is a cytoskeletal protein associated with cell-cell and cell-matrix junctions, where it is thought to function as one of several interacting proteins involved in anchoring F-actin to the membrane. Defects in VCL are the cause of cardiomyopathy dilated type 1W. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of some variants has not been determined. [provided by RefSeq, Jul 2008]
Specificity	Metavinculin is muscle-specific.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the vinculin/alpha-catenin family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	VCL vinculin [Homo sapiens (human)]
Official Symbol	VCL
Synonyms	VCL; vinculin; MV; MVCL; CMD1W; CMH15; HEL114; metavinculin; epididymis luminal protein 114;

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Entrez Gene ID	7414
mRNA Refseq	NM_003373.3
Protein Refseq	NP_003364.1
UniProt ID	B3KXA2
Chromosome Location	10q22.2
Pathway	Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; Hemostasis, organism-specific biosystem; IL-3 Signaling Pathway, organism-specifi
Function	actin binding; NOT actin binding; alpha-catenin binding; beta-catenin binding; cadherin binding; dystroglycan binding; protein binding; structural molecule activity;

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