

## Product datasheet for **SC217887**

### Vinculin (VCL) (NM\_014000) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Vinculin (VCL) (NM_014000) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	VCL
Synonyms:	CMD1W; CMH15; HEL114; MV; MVCL
ACCN:	NM_014000
Insert Size:	2000 bp



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**Insert Sequence:** >SC217887 3'UTR clone of NM\_014000  
 The sequence shown below is from the reference sequence of NM\_014000. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TGGGTTAGAAAGACTCCCTGGTACCAGTAGGCACCTGGCTGAGCCTGGCTGGCACAGAAACCTCTACTA
AAAAGAAGGAAAATGATCTGAGTCCCAGGAGCTGCCAGAGTTGCTGGGAGCTGAAAAATCACATCCTG
GCCTGGCACATCAGAAAGGAATGGGGCCCTCTTCAAATTAGAAGACATTTATACTCTTTTTTCATGGAC
ACTTTGAAATGTGTTTCTGTATAAAGCCTGTATTCTCAAACACAGTTACACTTGTGCACCCTCTATCCC
AATAGGCAGACTGGGTTTCTAGCCCATGGACTTCACATAAGCTCAGAATCCAAGTGAACACTAGCCAGA
CACTCTGCTCTGCCCTTGTCCCTAGGGGACACTTCCCTCTGTTTCTTTTCTTGGCTCCCATTCACT
CTTCCAGAATCCAAGACCCAGGGCCAGGCAAATCAGTACTAAGAAGAAAATTGCTGTGCCCTCCCAA
AATTGTTTTGAGCTTTCCATGTTGCTGCCAACCATACTTCCCTCCCTGGGCTGTGCTACCTGGGTCT
TTTCAGAAAGTGAGCTTTGCTGCTACAGGGGAAGGTGGCCTCTGTGGAGCCCAGCATATGGGGCCCTGG
ATTCATTTCTGCCCTTCTCAGTTAATCCTTCTAGTTTCCCAATATAAAACTGTACTTCACTGTC
AGGAAGAAATCACAGAATCATATGATTCTGCTTTTACCATGCCCTGAGCAATGTCTGTGCTAGGGAAA
CTTCCCGTCCCATATCCTGCCTCAGCCCGCAAGGTAGCCATCCCATGAACACACTGTGCTGCTGGTGTG
CTCTGCCACTGGAAGGGCAGAGTAGCCAGGGTGTGGCCCTGCCATCTTCCAGCAGGGCCACTCCCGGC
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GTTTCATTTGAGCTGAAATGCTGCATTTAATTTAAACAAAACATGTCTCCTATCCTGGTTTTTGTAG
CCTTCCCTCCACATCCTTTCTAAACAAGATTTTAAAGACATGATAGTGTGTTTTCATCTGTAACCTAAA
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GCCCTGTCTGAAGGACACTTCTGCCTAAGGGAGAGTGGTATTTGCAGACTAGAATTCTAGTGTGCTG
AAGATGAATCAATGGGAAATACTACTCCTGTAATTCTACCTCCCTGCAACCACTACAACCAAGCTCT
CTGCATCTACTCCCAAGTATGGGGTTCAAGAGAGTAATGGGTTTCATATTTCTTATCACCACAGTAAGT
TCCTACTAGGCAAAATGAGAGGGCAGTGTTCCTTTTTGGTACTTATTACTGCTAAGTATTTCCAGCA
CATGAAACCTTATTTTTTCCCAAAGCCAGAACCAGATGAGTAAAGGAGTAAGAACCTTGCCTGAACATC
CTTCTTCCACCCATCGCTGTGTGTTAGTTCCCAACATCGAATGTGTACAACCTAAGTTGGTCTTTA
CACTCAGGCTTTCACTATTTCTTTATAATGAGGATGATTATTTTCAAGGCCCTCAGCATATTTGTATA
GTTGCTTGCCTGATATAAATGCAATATTAATGCCTTTAAAGTATGAATCTATGCCAAAGTCACTTGT
GTTTTACTAAAGAAAGATTACTTAGAGGAAATAAGAAAAATCATGTTTGCTCTCCCGGTTCTTCCAGTG
GTTTGAGACACTGGTTTACACTTTATGCCGGATGTGCTTTTCTCCAATATCAGTGCTCGAGACACAGTG
AAGCAAAATTAATAAAAAAAAAAAAAAAAAAATCCCTGAATGATGATTAGAGACATCACCGCTAAAAAATA
CATTTATAAGCTAGGATTTGTTATGCAAAATATTTTCTGCCTCTTCTTTGTTCTGTTTAAAAAAT
ACGCGT AAGCGGCCGCGGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_014000.3](#)

**Summary:** 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]

**Locus ID:** 7414

**MW:** 76.1