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Product datasheet for RC219299L3V

Vinculin (VCL) (NM_014000) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Vinculin (VCL) (NM_014000) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Vinculin
Synonyms:	CMD1W; CMH15; HEL114; MV; MVCL
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_014000
ORF Size:	3402 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219299).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_014000.2
RefSeq Size:	5647 bp
RefSeq ORF:	3405 bp
Locus ID:	7414
UniProt ID:	P18206
Cytogenetics:	10q22.2
Domains:	Vinculin
Protein Families:	Druggable Genome

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Protein Pathways:	Adherens junction, Focal adhesion, Leukocyte transendothelial migration, Regulation of actin cytoskeleton
MW:	123.6 kDa
Gene 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]

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