Datasheet for ABIN2735299

Vinculin Protein (VCL) (Transcript Variant 2) (Myc-DYKDDDDK Tag)

1 Image | 1 Publication

Go to Product page

Overview

Quantity:	20 µg
Target:	Vinculin (VCL)
Protein Characteristics:	Transcript Variant 2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Vinculin protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	• Recombinant human Vinculin (VCL) (transcript variant 2) protein expressed in HEK293 cells. • Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	Vinculin (VCL)
Abstract:	VCL Products
Background:	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

Target Details

	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.
Molecular Weight:	116.5 kDa
NCBI Accession:	NP_003364
Pathways:	Cell-Cell Junction Organization, Maintenance of Protein Location, Signaling Events mediated by VEGFR1 and VEGFR2

Application Details

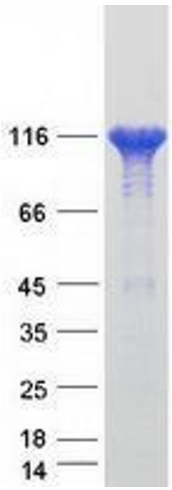
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

Product cited in:	Ding, Tang, Fan, Wang, Wu, Xu, Xu, Gao, Wu: "Overexpression of PEAK1 contributes to epithelial-mesenchymal transition and tumor metastasis in lung cancer through modulating ERK1/2 and JAK2 signaling." in: **Cell death & disease**, Vol. 9, Issue 8, pp. 802, (2018) (PubMed).



Western Blotting

Image 1. Validation with Western Blot