

Datasheet for ABIN7198696

Vinculin Protein (VCL) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	Vinculin (VCL)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Vinculin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse VCL/Vinculin Protein (His Tag)
Sequence:	Met1-Gln1066
Characteristics:	A DNA sequence encoding the mouse VCL (NP_033528.3) (Met1-Gln1066) was expressed with a C-terminal polyhistidine tag.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	Vinculin (VCL)
Alternative Name:	VCL/Vinculin (VCL Products)
Background:	Background: Vinculin (VCL) is a cytoskeletal protein that is closely related to both cell-matrix interactions and cell-cell junctions. VCL is a membrane-cytoskeletal protein in focal adhesion plaques that is involved in linkage of integrin adhesion molecules to the actin cytoskeleton. The

Target Details

protein contains an acidic N-terminal domain and a basic C-terminal domain separated by a proline-rich middle segment. This protein has multi-ligand properties and has been found to interact with a number of microfilament associated proteins, such as talin, a-actinin, and paxillin, which reportedly bind to either the head or tail domains of vinculin.

Synonym: 9430097D22,AA571387,AI462105,AW545629

Molecular Weight: 118.2 kDa

NCBI Accession: [NP_033528](#)

Pathways: [Cell-Cell Junction Organization](#), [Maintenance of Protein Location](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#)

Application Details

Restrictions: For Research Use only

Handling

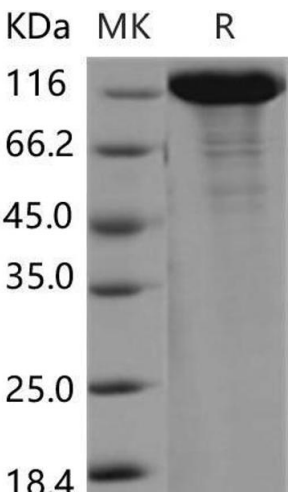
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.