

# Human Vinculin / VCL Protein, His Tag

Catalog # VIN-H52H9



## Synonym

Vinculin, VCL, MV, Metavinculin

## Source

Human Vinculin, His Tag (VIN-H52H9) is expressed from human 293 cells (HEK293). It contains AA Pro 2 - Gln 1066 (Accession # [P18206-2](#)).  
Predicted N-terminus: Pro 2

## Molecular Characterization

VCL(Pro 2 - Gln 1066)  
P18206-2

Poly-his

[Other Tags and Version](#) [Biotin & Other Labeled Version](#)

This protein carries a polyhistidine tag at the C-terminus.  
The protein has a calculated MW of 118.5 kDa. The protein migrates as 130-145 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

## Purity

>95% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.  
Contact us for customized product form or formulation.

## Reconstitution

Please see Certificate of Analysis for specific instructions.  
**For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.**

## Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.  
**Please avoid repeated freeze-thaw cycles.**

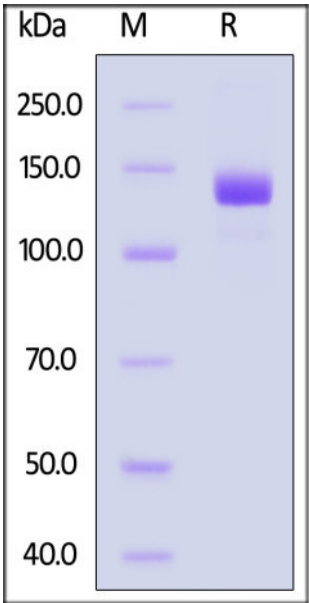
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## ACRO Quality Management System

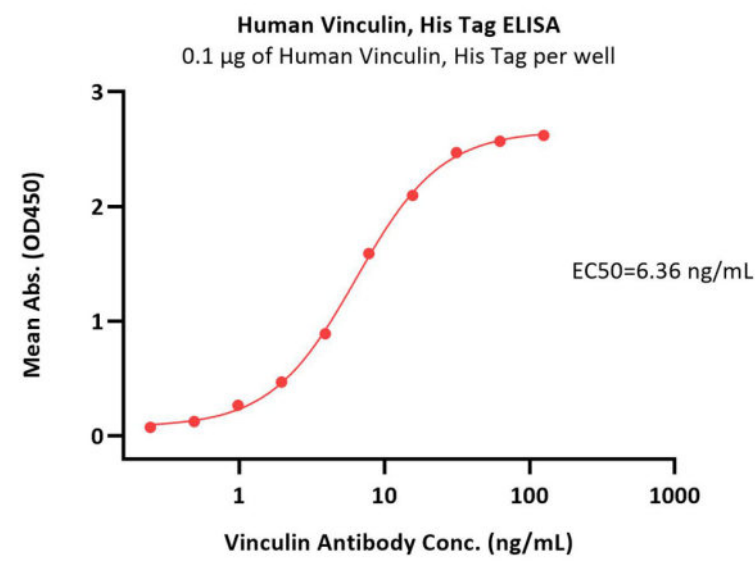
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

## SDS-PAGE



Human Vinculin, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

## Bioactivity-ELISA



Immobilized Human Vinculin, His Tag (Cat. No. VIN-H52H9) at 1 µg/mL (100 µL/well) can bind Vinculin Antibody with a linear range of 0.2-16 ng/mL (QC tested).

## Background

Vinculin is a ubiquitously expressed actin-binding protein and involves in cross-linking of the cell cytoskeleton with the extracellular matrix for mechanical support of the cell. Vinculin is frequently used as a marker for both cell-cell and cell-extracellular matrix (focal adhesion) adherens-type junctions.

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