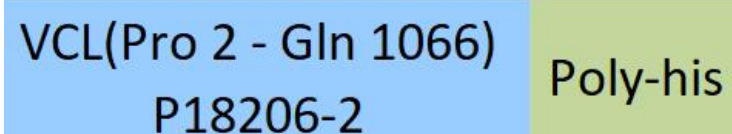


**Synonym**

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**

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.

**Purity**

&gt;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.

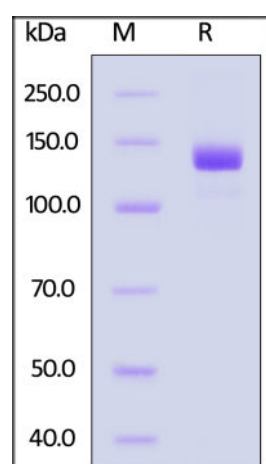
*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.***Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

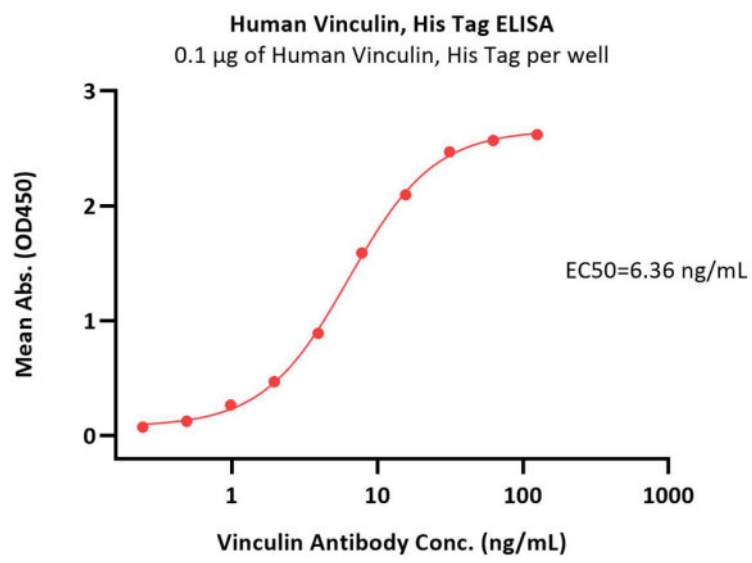
This product is stable after storage at:

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

**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.

### Clinical and Translational Updates

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.