

# Human Vitronectin (His Tag) recombinant protein



Catalog Number: 502047

## General Information

### Protein Construction

A DNA sequence encoding the human VTN (NP\_000629.3) (Met1-Leu478) was expressed with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by the ability of the immobilized protein to support the adhesion of DU145 human prostate carcinoma cells.

When cells are added to Vitronectin coated plates (10 µg/mL and 100 µL/well), approximately >40% cells will adhere specifically after 30 minutes at 37°C.

### Purity

> 90 % as determined by SDS-PAGE.

### Endotoxin

<1.0 EU per µg protein as determined by the LAL method.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Asp 20

### Molecular Mass

The recombinant human VTN consists 470 amino acids and predicts a molecular mass of 53.7 kDa.

### Formulation

Lyophilized from sterile PBS, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

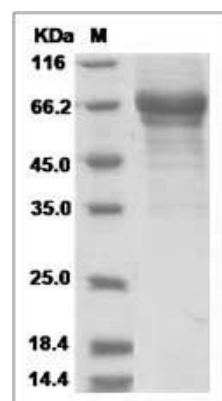
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human VTN / Vitronectin Protein (His Tag) SDS-PAGE