

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

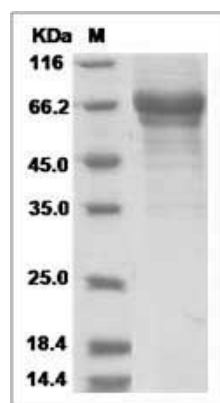
Storage

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