

## Recombinant Human VTN protein(Met1-Leu478), His-tagged

Cat. No. VTN-220H Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human VTN (NP_000629.3) (Met1-Leu478) was expressed in HEK293 with a polyhistidine tag at the C-terminus.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | HEK293  |
| <b>ProteinLength</b>    | 1-478 a.a.  |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.  |
| <b>Bio-activity</b>     | 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. |
| <b>Molecular Mass</b>   | The recombinant human VTN consists of 470 amino acids and predicts a molecular mass of 53.7 kDa. As a result of glycosylation, it migrates as an approximately 68.1 kDa band in SDS-PAGE under reducing conditions.   |
| <b>Endotoxin</b>        | < 10 EU per mg protein.   |
| <b>Purity</b>           | ≥95 % as determined by SDS-PAGE.  |

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**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** VTN vitronectin [ Homo sapiens ]

**Official Symbol** VTN

**Synonyms** VTN; vitronectin; vitronectin (serum spreading factor, somatomedin B, complement S protein); complement S protein; serum spreading factor; somatomedin B; VN; epibolin; S-protein; complement S-protein; serum-spreading factor; V75; VNT;

**Gene ID** 7448

**mRNA Refseq** NM\_000638

**Protein Refseq** NP\_000629

**MIM** 193190

**UniProt ID** P04004

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