

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

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

SPECIFICATION

Product Overview	Recombinant Human VTN (NP_000629.3) (Met1-Leu478) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-478 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-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.
Molecular Mass	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.
Endotoxin	< 10 EU per mg protein.
Purity	≥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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