

## Active Recombinant Human VTN Protein, His-tagged

**Cat. No.** VTN-675H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human VTN Protein is produced by Baculovirus expression system. This protein is fused with a His tag.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	20-478 aa
<b>Description</b>	Vitronectin, also known VTN, is a member of the pexin family. It is a cell adhesion and spreading factor found in serum and tissues. This protein interacts with glycosaminoglycans and proteoglycans and is recognized by certain members of the integrin family and serves as a cell-to-substrate adhesion molecule. It also contains endogenous cleavage sites such as elastase, thrombin and plasmin. This protein binds multiple ligands, including the soluble vitronectin receptor which affects multi-function. Therefore, it is involved in hemostasis, cell migration, as well as tumor malignancy. Recombinant human Vitronectin protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
<b>Form</b>	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
<b>Bio-activity</b>	Measured by the ability of the immobilized protein to support the adhesion of B16-F10 mouse melanoma cells. When cells are added to VTN coated plates 5 ug/ml. This effect is more to 50 %.

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<b>Molecular Mass</b>	53.3 kDa
<b>AA Sequence</b>	ADPDQESCKG RCTEGFNVDK KCQCDELCSY YQSCCTDYTA ECKPQVTRGD VFTMPEDETY T VYDDGEEKNN ATVHEQVGGP SLSDLQAQS KGNPEQTPVL KPEEEAAPAPE VGASKPEGID SRPETLHPGR PQPPAEEELC SGKPFDAFTD LKNGSLFAFR GQYCYELDEK AVRPGYPKLI RDVWGIEGPI DAAFTRINQ GKTYLFKGSQ YWRFEDGVLD PDYPRNISDG FDGIPDNVDA ALALPAHSYS GRERVYFFKG KQYWEYQFQH QPSQEECEGS SLSAVFEHFA MMQRDSWEDI FELLFWGRTS AGTRQPQFIS RDWHGVPGQV DAAMAGRIYI SGMAPRPSLA KKQRFRHRNR KGYRSQRGHS RGRNQNSRRP SRATWLSLFS SEESNLGANN YDDYRMDWLV PATCEPIQSV FFFSGDKYYR VNLRTRRVDT VDPPYPRSIA QYWLGCAPAG HLHHHHHH
<b>Endotoxin</b>	< 0.1 EU per 1 ug of protein (determined by LAL method)
<b>Purity</b>	> 90 % by SDS - PAGE
<b>Notes</b>	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
<b>Storage</b>	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 or -70 centigrade. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	0.25 mg/ml (determined by Bradford assay)

## GENE INFORMATION

<b>Gene Name</b>	VTN vitronectin [ <i>Homo sapiens</i> ]
<b>Official Symbol</b>	VTN

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<b>Synonyms</b>	Vitronectin; VTN; V75; VN; VNT; VTN; complement S protein; serum spreading factor; somatomedin B; epibolin; S-protein; complement S-protein; serum-spreading factor;
<b>Gene ID</b>	7448
<b>mRNA Refseq</b>	NM_000638
<b>Protein Refseq</b>	NP_000629
<b>MIM</b>	193190
<b>UniProt ID</b>	P04004