

Active Recombinant Human VTN Protein, His-tagged

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

SPECIFICATION


Product Overview	Recombinant Human VTN Protein is produced by Baculovirus expression system. This protein is fused with a His tag.
Species	Human
Source	Insect Cells
ProteinLength	20-478 aa
Description	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.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Bio-activity	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 %.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Molecular Mass	53.3 kDa
AA Sequence	ADPDQESCKG RCTEGFNVDK KCQCDELCSY YQSCCTDYTA ECKPQVTRGD VFTMPED EYT VYDDGEEKNN ATVHEQVGGP SLTSDLQAQS KGNPEQTPVL KPEEEAPAPE VGASKPEGID SRPETLHPGR PQPPAEEELC SGKPFDAFTD LKNGSLFAFR GQYCYELDEK AVRPGYPKLI RDVWGIEGPI DAAFRINCQ GKTYLFGKSQ YWRFEDGVLD PDYPRNISDG FDGIPDNVDA ALALPAHSYS GRERVYFFKG KQYWEYQFQH QPSQEECEGS SLSAVFEHFA MMQRDSWEDI FELLFWGRTS AGTRQPQFIS RDWHGVPGQV DAAMAGRIYI SGMAPRPSLA KKQRFRHRNR KGYRSQRGHS RGRNQNSRRP SRATWLSLFS SEESNLGANN YDDYRMDWL V PATCEPIQSV FFFSGDKYYR VNLRTTRVDT VDPYPYRSIA QYWLGC PAPG HLHHHHHH
Endotoxin	< 0.1 EU per 1 ug of protein (determined by LAL method)
Purity	> 90 % by SDS - PAGE
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	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.
Concentration	0.25 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	VTN vitronectin [Homo sapiens]
Official Symbol	VTN

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

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