

Recombinant Human VTN, His-tagged

Cat. No. VTN-248H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	VTN, 20-478aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	20-478aa
Description	Vitronectin, also known as VTN, is a member of the pexin family. It is found in serum and tissues and promotes cell adhesion and spreading, inhibits the membrane-damaging effect of the terminal cytolytic complement pathway, and binds to several serpin serine protease inhibitors. Increased expression of VTN, integrins and plasminogen activators has been observed in migrating cells during wound healing. Recombinant human VTN protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	54.7kDa (482aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSDQESCKG RCTEGFNVDK KCQCDELCSY YQSCCTDYTA ECKPQVTRGD VFTMPED EYT VYDDGEEKNN ATVHEQVGGP SLTSDLQAQS KGNPEQTPVL KPEEEAPE VGASKPEGID SRPETLHPGR PQPPAEEELC SGKPFDAFTD LKNGSLFAFR GQYCYELDEK AVRPGYPKLI RDVWGIEGPI DAAFRINCQ GKTYLFKGSQ YWRFEDGVLD PDYPRNISDG

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FDGIPDNVDA ALALPAHSYS GRERVYFFKG KQYWEYQFQH QPSQEECEGS
 SLSAVFEHFA MMQRDSWEDI FELLFWGRTS AGTRQPQFIS RDWHGVPGQV
 DAAMAGRIYI SGMAPRPSLA KKQRFRHRNR KGYRSQRGHS RGRNQNSRRP
 SRATWLSLFS SEESNLGANN YDDYRMDWLV PATCEPIQSV FFFSGDKYYR
 VNLRTTRVDT VDPYPYRSIA QYWLGCPAPG HL

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration Chain D., et al. (1991) FEBS Lett. 285: 251-256. Cherny R C., et al. (1993) J Biol Chem. 268: 9725-9729.

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

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UniProt ID	P04004
Chromosome Location	17q11.2
Pathway	ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; FOXA1 transcription factor network, organism-specific biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; Inflammatory Response Pathway, organism-specific biosystem;
Function	extracellular matrix binding; heparin binding; integrin binding; polysaccharide binding; scavenger receptor activity;