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## Product Data Sheet

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Product Name: VTN Human  
 Cat. No.: GP25008  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Vitronectin precursor; V75; VN; VNT; Vitronectin; VTN; S-protein; Serum-spreading factor; Vitronectin V65 subunit; Vitronectin V10 subunit; Somatomedin-B.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSDQESCKG RCTEGFNVDK KCQCDELCSY YQSCCTDYTA ECKPQVTRGD VFTMPED EYT VYDDGEEKNN ATVHEQVGGP SLTSDLQAQS KGNPEQTPVL KPEEEAPE VGASKPEGID SRPETLHPGR PQPPAEEELC SGKPFDAFTD LKNGSLFAFR GQYCYELDEK AVRPGYPKLI RDVWGIEGPI DAAFTRINCQ GKTYLFKGSQ YWRFEDGVLD PDYPRNISDG FDGIPDNVDA ALALPAHSYS GRERVYFFKG KQYWEYQFQH QPSQEECEGS SLSAVFEHFA MMQRDSWEDI FELLFWGRTS AGTRQPQFIS RDWHGVPGQV DAAMAGRIYI SGMAPRPSLA KKQRFRRHRNR KGYRSQRGHS RGRNQNSRRP SRATWLSLFS SEESNLGANN YDDYRMDWL V PATCEPIQSV FFFSGDKYYR VNLRTRRVDT VDPYPRSIA QYWLGC PAPG HL.		
Formulation	VTN protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.		

### Introduction

Vitronectin (VTN) which is a part of the pexin family is a cell adhesion and spreading factor found in serum and tissues. VTN interacts with glycosaminoglycans and proteoglycans. VTN inhibits the membrane-damaging effect of the terminal cytolytic complement pathway and binds to numerous serpin serine protease inhibitors. Scientists have been noticed an over expression of VTN, integrins and plasminogen in migrating cells during wound healing.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store. frozen at -20°C for longer

**Caution: Product has not been fully validated for medical applications. For research use only.**

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

VTN Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 482 amino acids (20-478 a.a) and having a molecular mass of 54.7kDa. VTN is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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