

Native Human VTN

Cat. No. VTN-31736TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full length Vitronectin purified from Human plasma, MWt 75 kDa.
Species	Human
Description	The protein encoded by this gene 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. It is a secreted protein and exists in either a single chain form or a clipped, two chain form held together by a disulfide bond.
Tissue specificity	Plasma.
Biological activity	Second order rate constants for inhibition of: uPA = 6.3×10^6 M ⁻¹ s ⁻¹ tPA = 5.7×10^6 M ⁻¹ s ⁻¹
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 50mM Sodium phosphate, 100mM Sodium chloride, pH 7.4
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequence Similarities	Contains 4 hemopexin-like domains.Contains 1 SMB (somatomedin-B) domain.
Full Length	Full L.
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;
Gene ID	7448
mRNA Refseq	NM_000638
Protein Refseq	NP_000629
MIM	193190
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;

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Function

extracellular matrix binding; heparin binding; integrin binding; polysaccharide binding;
scavenger receptor activity;

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