

## Native Human VTN

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

### SPECIFICATION

<b>Product Overview</b>	Full length Vitronectin purified from Human plasma, MWt 75 kDa.
<b>Species</b>	Human
<b>Description</b>	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.
<b>Tissue specificity</b>	Plasma.
<b>Biological activity</b>	Second order rate constants for inhibition of: uPA = $6.3 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$ tPA = $5.7 \times 10^6 \text{ M}^{-1}\text{s}^{-1}$
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 50mM Sodium phosphate, 100mM Sodium chloride, pH 7.4
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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<b>Sequence Similarities</b>	Contains 4 hemopexin-like domains.Contains 1 SMB (somatomedin-B) domain.
<b>Full Length</b>	Full L.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	VTN vitronectin [ Homo sapiens ]
<b>Official Symbol</b>	VTN
<b>Synonyms</b>	VTN; vitronectin; vitronectin (serum spreading factor, somatomedin B, complement S protein); complement S protein; serum spreading factor; somatomedin B; VN;
<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
<b>Chromosome Location</b>	17q11.2
<b>Pathway</b>	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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