

Datasheet for ABIN7319175

Vitronectin Protein (VTN) (His tag)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	Vitronectin (VTN)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Vitronectin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Vitronectin/VTN Protein (His Tag)(Active)
Sequence:	Asp20-Leu478
Characteristics:	Recombinant Human Vitronectin is produced by our Mammalian expression system and the target gene encoding Asp20-Leu478 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of Jurkat cells.

Target Details

Target:	Vitronectin (VTN)
Alternative Name:	Vitronectin/VTN (VTN Products)

Target Details

Background:	<p>Background: Human Vitronectin/VTN is a cell adhesion and spreading factor. It can be found in the blood and the extracellular matrix (ECM). Vitronectin interacts with glycosaminoglycans and proteoglycans. The multimeric Vitronectin can efficiently bind to and incorporate into the ECM, Vitronectin can support cell adhesion through binding to various integrins and other proteoglycans. Vitronectin can be recognized by certain members of the integrin family and serves as a cell-to-substrate adhesion molecular. It can as a inhibitor of the membrane-damaging effect of the terminal cytolytic complement pathway. Vitronectin contains an endogenous cleavage site, plus cleavage sites for elastase, thrombin, and plasmin.</p> <p>Synonym: Vitronectin, VN, S-Protein, Serum-Spreading Factor, V75, VTN</p>
Molecular Weight:	53.4 kDa
UniProt:	P04004
Pathways:	Autophagy , Smooth Muscle Cell Migration

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>