

## Vitronectin Protein, Mouse (HEK293, His)

Cat. No.:	HY-P73484
Synonyms:	Vitronectin; VN; S-Protein; Serum-Spreading Factor; V75; VTN
Species:	Mouse
Source:	HEK293
Accession:	P29788 (M1-K478)
Gene ID:	22370
Molecular Weight:	75-85 kDa

### PROPERTIES

<b>Biological Activity</b>	Measured by the ability of the immobilized protein to support the adhesion of DU145 human prostate carcinoma cells. When cells are added to mouse Vitronectin coated plates (10 µg/mL and 100 µL/well), > 60% cells will adhere specifically after 30 minutes at 37°C.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	Vitronectin, a pivotal cell adhesion and spreading factor present in both serum and tissues, plays a crucial role in cellular interactions. It engages with glycosaminoglycans and proteoglycans, demonstrating its versatility in molecular interactions. Recognized by specific integrins, Vitronectin serves as a vital cell-to-substrate adhesion molecule, facilitating cellular adhesion processes. Additionally, it acts as an inhibitor, mitigating the membrane-damaging effects associated with the terminal cytolytic complement pathway. Notably, Vitronectin establishes connections with various molecules, including SERPINE1/PAI1, insulin, and C1QBP, showcasing its involvement in diverse cellular processes.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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