

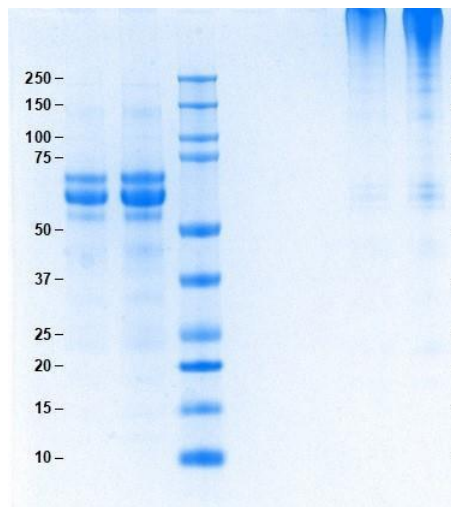
Vitronectin from Human Plasma

np001007

Product Description

Vitronectin and plasminogen activator inhibitor type 1 are proteins that interact in the circulatory system and pericellular region to regulate fibrinolysis, cell adhesion, and migration. Plasminogen activator inhibitor type 1, a serine proteinase, through its binding to the plasma protein vitronectin, influences processes that are key regulators of hemostatic process, for example, thrombosis and wound healing. In addition the vitronectin and plasminogen activator inhibitor type 1 complex regulates binding of blood platelets and cells to extracellular substrata in events like tumor metastasis. The plasma concentration of vitronectin is 200 to 400 µg/ml. Prepared from plasma shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA-required tests.

Aladdin products are laboratory reagents and are not to be administered to humans or used for any drug purpose. For research or further manufacturing use only.



SDS-PAGE

4-12% Bis-Tris gel, 1x MES

1. Vitronectin 10 µg (Heated/Reduced)
2. Vitronectin 20 µg (Heated/Reduced)
3. Standard
4. Blank
5. Blank
6. Vitronectin 5 µg (Not Heated/Non-Reduced)
7. Vitronectin 10 µg (Not Heated/Non-Reduced)

Protein Determination:

Extinction Coefficient (E) = 1.38 (0.1% at 280 nm, Extinction Coefficient (E) = 1.38 (0.1% at 280 nm,

Stability and storage

Store at -20°C long term (>1 year). Upon reconstitution, it is recommended to aliquot. Avoid freeze/thaw cycle.

Molecular Weight:

65,000 and 75,000 Da.

Buffer:

Lyophilized from 10 mM sodium phosphate, pH 7.7.

Physical Specifications:

Form: Lyophilized

Purity: ≥ 95% by SDS-PAGE

Product Datasheet

Product:	Vitronectin from Human Plasma
Form:	Lyophilized
Available Packaging:	100 µg per vial. Larger aliquots are available upon request.
Buffer:	Lyophilized from 10 mM sodium phosphate, pH 7.7.
Purity:	≥ 95% by SDS-PAGE
Molecular Weight:	65,000 and 75,000 Da
Protein Determination:	Extinction Coefficient (E) = 1.38 (0.1% at 280 nm, 1 cm pathway)
Storage/Handling:	≤ -20 °C
Stability:	> 1 year
Source:	Human Plasma
Testing:	Donor material is obtained from suppliers that perform a comprehensive infectious disease screening panel. Each unit of plasma is tested by the supplier and found non-reactive for HIV-1/2, Hepatitis B surface antigen (HBsAg), Hepatitis C (HCV), Hepatitis A (HAV), and syphilis (RPR). Documentation of testing is maintained and is available upon request.