

Human Vitronectin Protein

Cat. No. VTN-HM101

Description

Source	Recombinant Human Vitronectin Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp20-Leu478.
Accession	P04004
Molecular Weight	The protein has a predicted MW of 53.37 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Vitronectin is a multifunctional glycoprotein present in blood and in the extracellular matrix. It binds glycosaminoglycans, collagen, plasminogen and the urokinase-receptor, and also stabilizes the inhibitory conformation of plasminogen activation inhibitor-1.

Assay Data

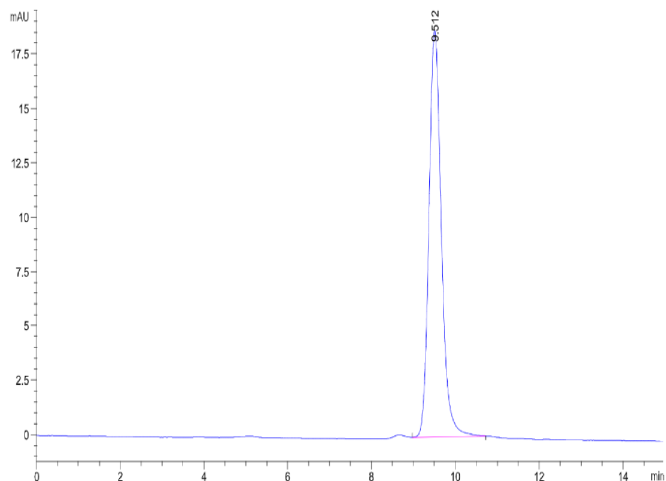
Tris-Bis PAGE



Human Vitronectin on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data

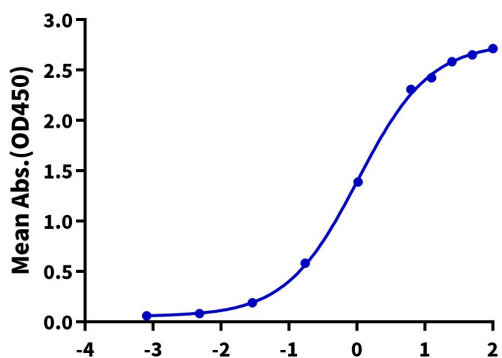


The purity of Human Vitronectin is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human Vitronectin, His Tag ELISA

0.5µg Human Vitronectin, His Tag Per Well



Immobilized Human Vitronectin, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Mouse ITGAV&ITGB3, His Tag with the EC50 of 1.04µg/ml determined by ELISA.

Log Biotinylated Mouse ITGAV&ITGB3, His Tag Conc.(µg/ml)