



# Certificate of Analysis

## Vitronectin Protein, Human (HEK293, His)

Cat. No.:	HY-P70485
Batch No.:	355028
Species:	Human
Source:	HEK293
Tag:	C-6*His
Accession:	P04004/AAH05046.1 (D20-L478)
Gene ID:	7448
Molecular Weight:	approximately 60-80 kDa due to the glycosylation

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE or Tris-Bis PAGE.	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by the ability of the immobilized protein to support the adhesion of B16-F1 mouse melanoma cells. When $5 \times 10^4$ cells/well are added to Vitronectin coated plates (5 μg/mL with 100 μL/well), approximately 78.525% will adhere after 30 minutes at 37°C.	78.525%
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
Storage & Stability	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.	
Shipping	Room temperature in continental US; may vary elsewhere.	

**Caution: Product has not been fully validated for medical applications. For research use only.**

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