



# Certificate of Analysis

## GMP Fibronectin Protein, Human

Cat. No.:	HY-P70593G
Batch No.:	288065
Species:	Human
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	P02751-1 (P1270-S1546 & A1721-T2016)
Gene ID:	2335
Molecular Weight:	Approximately 60.0 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<0.05 EU/μg, determined by LAL method.	PASS
Biological Activity	The ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells has an ED <sub>50</sub> value of 0.1-0.5 μg/mL or at 1.25 μg/ml, the efficiency of adhesion to Jurkat cells >70%.	85%
pH Value	5.4	
Host Cell Protein (ELISA)	<0.01 μg per mg of protein	
Host Cell DNA (qPCR)	<1 pg per mg of protein	
Mycoplasma	Negative	
Sterility	PASS	
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in injection water.	
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. 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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