



Certificate of Analysis

GMP IL-1 beta Protein, Human

Cat. No.:	HY-P70586G
Batch No.:	430415
Species:	Human
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	P01584 (A117-S269)
Gene ID:	3553
Molecular Weight:	Approximately 17.0 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥98.0%
Endotoxin Level	<0.05 EU/μg, determined by LAL method.	PASS
Biological Activity	The specific activity is > 4×10 ⁶ U/mg.	1.7×10 ⁷ IU/mg.
pH Value	7.3	
Host Cell Protein (ELISA)	<0.01 μg per mg of protein	
Host Cell DNA (qPCR)	<1 ng 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 (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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