



Certificate of Analysis

IL-1 beta Protein, Human (solution)

Cat. No.:	HY-P70586
Batch No.:	154681
Species:	Human
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	P01584 (A117-S269)
Gene ID:	3553
Molecular Weight:	Approximately 16.61 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to induce NF-kB signaling in 293-IL1 Res cells. The ED ₅₀ for this effect is 20-100 pg/mL.	52 pg/mL
Appearance	Solution.	
Concentration	0.6 mg/mL	
Reconstitution	N/A	
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.	
Shipping	Shipping with dry ice.	

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

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