



# Certificate of Analysis

## IL-1 beta Protein, Cynomolgus (His)

Cat. No.:	HY-P78585
Batch No.:	272578
Species:	Cynomolgus
Source:	<i>E. coli</i>
Tag:	N-6*His
Accession:	P79182-1 (A117-S268)
Gene ID:	102119749
Molecular Weight:	Approximately 18 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.	<1 EU/μg
Biological Activity	Measured in a proliferation assay using CTLL-2 Mouse Embryonic Fibroblasts Cells. The ED50 for this effect is 1.942 pg/mL, corresponding to a specific activity is $5.15 \times 10^8$ units/mg.	1.942 pg/mL
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. 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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