



# Certificate of Analysis

## IL-1 beta Protein, Rat

**Cat. No.:** HY-P7097  
**Batch No.:** 257249  
**Species:** Rat  
**Source:** *E. coli*  
**Tag:** Tag Free  
**Accession:** Q63264 (V117-S268)  
**Gene ID:** 24494  
**Molecular Weight:** Approximately 17.3 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<0.2 EU/μg, determined by LAL method.	PASS
Biological Activity	The ED <sub>50</sub> is <10 pg/mL as measured by mouse D10S cells, corresponding to a specific activity of >1.0 × 10 <sup>8</sup> units/mg.	PASS
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in PBS, pH 7.4. 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. 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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