



# Certificate of Analysis

## IL-2 Protein, Mouse

**Cat. No.:** HY-P7077  
**Batch No.:** 339571  
**Species:** Mouse  
**Source:** *E. coli*  
**Tag:** Tag Free  
**Accession:** P04351 (A21-Q169)  
**Gene ID:** 16183  
**Molecular Weight:** 15-20 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured in a cell proliferation assay using CTLL-2 Cells. The ED <sub>50</sub> this effect is ≤ 0.5117 ng/mL, corresponding to a specific activity is ≥ 1.954×10 <sup>6</sup> units/mg.	4.2×10 <sup>7</sup> units/mg
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 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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