



# Certificate of Analysis

## IL-4 Protein, Mouse (HEK293)

Cat. No.:	HY-P701093
Batch No.:	418741
Species:	Mouse
Source:	HEK293
Tag:	Tag Free
Accession:	P07750 (H21-S140)
Gene ID:	16189
Molecular Weight:	Approximately 17-20 kDa due to the glycosylation.

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	96.00%
Endotoxin Level	<0.2 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured in a cell proliferation assay using HT-2 cells. The ED <sub>50</sub> this effect is ≤0.1557 ng/mL, corresponding to a specific activity is ≥6.42×10 <sup>6</sup> units/mg.	0.1557 ng/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 or PBS.	
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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA