



# Certificate of Analysis

## Animal-Free IL-15 Protein, Human (His)

Cat. No.:	HY-P7371AF
Batch No.:	260253
Species:	Human
Source:	<i>E. coli</i>
Tag:	N-His;N-His
Accession:	P40933 (N49-S162)
Gene ID:	3600
Molecular Weight:	Approximately 13.7 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.	PASS
Biological Activity	1. Measure by its ability to induce MO7e human megakaryocytic leukemic proliferation. The ED <sub>50</sub> for this effect is 0.5-3 ng/mL. The specific activity of recombinant human IL15 is approximately 1.5 x 10 <sup>8</sup> IU/mg. 2. Measure by its ability to induce NK cells proliferation. The ED <sub>50</sub> for this effect is 5-35 ng/mL.	0.5-3 ng/mL (Test by method 1) 5-35 ng/mL (Test by method 2)
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.	
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.**

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