



Certificate of Analysis

GMP IL-15 Protein, Human

Cat. No.:	HY-P70776G
Batch No.:	252263
Species:	Human
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	P40933(N49-S162)
Gene ID:	3600
Molecular Weight:	Approximately 12.0 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<0.1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells. The specific activity of Recombinant human IL-15 is $\geq 1.0 \times 10^7$ IU/mg, which is calibrated against human IL-15 WHO International Standard.	1.49×10^7 IU/mg
pH Value	7.0	
Host Cell Protein (ELISA)	0.027 μg/mg	
Host Cell DNA (qPCR)	0.072 ng/mg	
Mycoplasma	Negative	
Sterility	PASS	
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in injection water.	
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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