



# Certificate of Analysis

## GMP IL-2 Protein, Human (HEK293, His)

Cat. No.:	HY-P70758G
Batch No.:	346565
Species:	Human
Source:	HEK293
Tag:	C-6*His
Accession:	P60568 (A21-T153)
Gene ID:	3558
Molecular Weight:	14-18 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥98.0%
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 and the specific activity of Recombinant Human IL-2 is ≥1.2×10 <sup>7</sup> IU/mg.	1.2×10 <sup>7</sup> IU/mg
pH Value	3.9	
Host Cell Protein (ELISA)	0.05 μg per mg of protein	
Host Cell DNA (qPCR)	<1 pg per mg of protein	
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 (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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