



# Certificate of Analysis

## IL-18 Protein, Human (N-His)

Cat. No.:	HY-P70591A
Batch No.:	241652
Species:	Human
Source:	E. coli
Tag:	N-6*His
Accession:	Q14116 (Y37-D193)
Gene ID:	3606
Molecular Weight:	Approximately 20 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	<1 EU/μg
Biological Activity	Induction of IFN-gamma by KG-1 cell in response to the recombinant human IL-18. 1. The ED <sub>50</sub> for this effect is 9.291 ng/mL, corresponding to a specific activity is 1.08×10 <sup>5</sup> units/mg, test by ELISA.	9.291 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. 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. 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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