



Certificate of Analysis

IL-18 Protein, Mouse (His)

Cat. No.:	HY-P70642
Batch No.:	232438
Species:	Mouse
Source:	<i>E. coli</i>
Tag:	N-6*His
Accession:	P70380 (N36-S192)
Gene ID:	16173
Molecular Weight:	Approximately 20.0 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	96.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to induce IFN-gamma secretion by KG-1 <i>human acute myelogenous leukemia cells in the presence of TNF-alpha</i> . The ED_{50} for this effect is 0.9227 ng/mL in the presence of 15 ng/mL TNF-alpha, corresponding to a specific activity is 1.08×10^6 U/mg.	0.9227 ng/mL
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ 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.

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