



# Certificate of Analysis

## IL-18 Protein, Rhesus Macaque (His)

Cat. No.:	HY-P73182
Batch No.:	286524
Species:	Rhesus Macaque
Source:	<i>E. coli</i>
Tag:	N-6*His;
Accession:	Q9BGI5/NP_001028006.1 (A2-D193)
Gene ID:	574151
Molecular Weight:	Approximately 24.39 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.	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 1.095 ng/mL in the presence of 15 ng/mL TNF-alpha, corresponding to a specific activity is $9.13 \times 10^{10}$ U/mg.	1.095 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 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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