



Certificate of Analysis

IFN-gamma Protein, Porcine

Cat. No.:	HY-P79429
Batch No.:	287380
Species:	Porcine
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	P17803 (S21-K166)
Gene ID:	396991
Molecular Weight:	Approximately 17.3 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 inhibit the proliferation of HT-29 human coloncancer cells. The ED ₅₀ for this effect is 0.3912 ng/mL, corresponding to a specific activity is 2.556×10 ⁶ Unit/mg.	0.3912 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 50 μg/mL in PBS. 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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