



Certificate of Analysis

IFN-alpha 2b/IFNA2 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P78672
Batch No.:	262616
Species:	Human
Source:	HEK293
Tag:	C-hFc
Accession:	P01563 (C24-E188)
Gene ID:	3440
Molecular Weight:	45-55 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	Measured by a cytotoxicity assay using TF-1 Cells. The ED ₅₀ this effect is 23.61 pg/mL, corresponding to a specific activity is 4.235 ×10 ⁷ units/mg.	23.61 pg/mL
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ 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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