



Certificate of Analysis

GMP IL-12 Protein, Human (HEK293, His)

Cat. No.:	HY-P73156
Batch No.:	240930
Species:	Human
Source:	HEK293
Tag:	C-His
Accession:	P29459 (R23-S219) & P29460 (I23-S328)
Gene ID:	3592&3593
Molecular Weight:	Approximately 60.2 (24+36.2) 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 Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED ₅₀ for this effect is typically 0.04-0.4 ng/mL. The specific activity of recombinant human IL-12 is >10000 Units/μg, which is calibrated against the human IL-12 WHO International Standard	0.1 ng/mL
Appearance	Solution.	
Concentration	1.00 mg/mL	
Reconstitution	N/A.	
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.	
Shipping	Shipping with dry ice.	

Caution: Product has not been fully validated for medical applications. For research use only.

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