



Certificate of Analysis

Animal-Free IL-12 Protein, Human (HEK293, His)

Cat. No.:	HY-P700101AF
Batch No.:	260520
Species:	Human
Source:	HEK293
Tag:	C-His
Accession:	P29459 (R23-S219) & P29460 (I23-S328)
Gene ID:	3592&3593
Molecular Weight:	Approximately 59.55 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.	PASS
Biological Activity	Measure by its ability to induce IFN gamma secretion in PHA- activated human peripheral blood lymphocytes (PBMC). The ED ₅₀ for this effect is 0.05-0.2 ng/mL	PASS
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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