



Certificate of Analysis

GMP IL-12 Protein, Human (HEK293)

Cat. No.:	HY-P7032G
Batch No.:	230896
Species:	Human
Source:	HEK293
Tag:	Tag Free
Accession:	P29459 (R23-S219) & P29460 (I23-S328)
Gene ID:	3592&3593
Molecular Weight:	25-38&40-50 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<0.1 EU/μg, determined by LAL method.	PASS
Biological Activity	Immobilized Human IL-12RB1-His at 10 μg/mL (100 μl/well) can bind Human IL-12*: Biotinylated by NHS-biotin prior to testing. The ED ₅₀ for this effect is 7 μg/mL.	7 μg/mL
pH Value	7.4	
Host Cell Protein (ELISA)	50 ng per mg of protein	
Host Cell DNA (qPCR)	0.0053 ng per mg of protein	
Mycoplasma	Negative	
Sterility	PASS	
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in injection water.	
Storage & Stability	Stored at -20°C. 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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