



# Certificate of Analysis

## IL-12 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P73159
Batch No.:	240921
Species:	Mouse
Source:	HEK293
Tag:	C-6*His
Accession:	P43431 (R23-A215) & P43432 (M23-S335)
Gene ID:	16159&16160
Molecular Weight:	Approximately 28&47 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE	94.20%
Endotoxin Level	<1 EU/µg, determined by LAL method.	PASS
Biological Activity	1.Measured by its ability to bind recombinant mouse IL12RB2 in a functional ELISA. 2.Measured by its ability to induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells and the ED <sub>50</sub> is 1-10 ng/mL.	Pass (Test by method 1) 1.3 ng/mL (Test by method 2)
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> 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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