



# Certificate of Analysis

## IL-23 alpha (170a.a) & IL-12 beta (306a.a) Heterodimer Protein, Human (HEK293, His)

**Cat. No.:** HY-P73193  
**Batch No.:** 282880  
**Species:** Human  
**Source:** HEK293  
**Tag:** C-6\*His;C-His  
**Accession:** Q9NPF7 (R20-P189)&P29460 (I23-S328)  
**Gene ID:** 51561&3593  
**Molecular Weight:** Approximately 55.8 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to induce IL17 secretion by mouse splenocytes and the ED <sub>50</sub> is 0.2-15ng/mL.	14.92 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> 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 (with carrier protein). 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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