



# Certificate of Analysis

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

Cat. No.:	HY-P700745
Batch No.:	316340
Species:	Human
Source:	HEK293
Tag:	C-Avi;C-His
Accession:	Q9NPF7 (R20-P189)&P29460 (I23-S328)
Gene ID:	51561&3593
Molecular Weight:	24 kDa (IL-23 alpha) & 40-50 kDa (IL-12 beta)

### 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	Immobilized Biotinylated Human IL-23 alpha&IL-12 beta, His Tag at 0.5 μg/mL (100 μl/Well) on streptavidin (5 μg/mL) precoated plate. Dose response curve for Anti-IL-23 Antibody, hFc Tag with the EC <sub>50</sub> of ≤3.6 ng/mL determined by ELISA.	3.4 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.	
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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