



# Certificate of Analysis

## IL-27 Protein, Human (CHO, His)

Cat. No.:	HY-P73199
Batch No.:	323395
Species:	Human
Source:	CHO
Tag:	C-His
Accession:	Q14213 (R21-K229)&Q8NEV9 (F29-P243)
Gene ID:	10148& 246778
Molecular Weight:	Approximately 56 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 87% as determined by reducing SDS-PAGE	96.60%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	<p>1. Measured by its binding ability in a functional ELISA. Immobilized human IL27-His at 10 μg/mL (100 μl/well) can bind human IL27RA-Fc, The EC<sub>50</sub> of human IL27RA-Fc is 0.2-0.46 μg/mL.</p> <p>2. Measured in antiviral assays using HepG2 cells infected with vesicular stomatitisvirus(VSV). The ED<sub>50</sub> for this effect is typically ≤92 ng/mL.</p>	<p>Pass (Test by method 1)</p> <p>34 ng/mL (Test by method 2)</p>
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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