



# Certificate of Analysis

## IL-13 Protein, Human

Cat. No.:	HY-P72795
Batch No.:	328589
Species:	Human
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	P35225 (G35-N146)
Gene ID:	3596
Molecular Weight:	Approximately 12.3 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥97.0%
Endotoxin Level	<1 EU/μg; determined by LAL method.	PASS
Biological Activity	The cell proliferation assay using human TF-1 cells has an ED <sub>50</sub> value of less than 0.5 ng/mL, corresponding to a specific activity of > 2.0 × 10 <sup>6</sup> IU/mg.	<0.5 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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