



# Certificate of Analysis

## IL-6 Protein, Pig

Cat. No.:	HY-P73220
Batch No.:	212607
Species:	Pig
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	P26893 (P29-M212)
Gene ID:	399500
Molecular Weight:	Approximately 21.2 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	95.10%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	1. Measured by its binding ability in a functional ELISA. Immobilized sus scrofa (pig) IL6 at 2 μg/mL (100 μl/well) can bind Human IL-6R-His, the EC <sub>50</sub> of Human IL-6R-His is 250-750 ng/mL. 2. Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED <sub>50</sub> for this effect is typically 1-5 ng/mL.	PASS (Test by method 1) 4 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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