



Certificate of Analysis

Erythropoietin/EPO Protein, Human (CHO)

Cat. No.:	HY-P7164
Batch No.:	316596
Species:	Human
Source:	CHO
Tag:	Tag Free
Accession:	P01588 (A28-R193)
Gene ID:	2056
Molecular Weight:	The protein migrates as an approximately 26-38 kDa band under reducing SDS-PAGE due to glycosylation.

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	97.50%
Endotoxin Level	<0.2 EU/μg, determined by LAL method.	PASS
Biological Activity	The ED ₅₀ is ≤1.136 ng/mL as measured in a cell proliferation assay using TF-1 human erythroleukemic cells, corresponding to a specific activity of ≥8.803× 10 ⁵ units/mg.	1.136 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ 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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA