



Certificate of Analysis

Erythropoietin receptor/EpoR Protein, Human (250a.a, HEK293 , Fc)

Cat. No.:	HY-P73521
Batch No.:	312463
Species:	Human
Source:	HEK293
Tag:	C-hFc
Accession:	P19235 (M1-P250)
Gene ID:	2057
Molecular Weight:	55-60 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE	96.70%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	1. Measured by its binding ability in a functional ELISA. Immobilized EPOR (hFc Tag) at 2 μg/mL (100 μL/well) can bind Cynomolgus Erythropoietin-His, the EC ₅₀ of Cynomolgus Erythropoietin-His is 4-20 ng/mL. 2. Measured by its ability to inhibit Epo-dependent proliferation of TF-1 human erythroleukemic cells. The ED ₅₀ for this effect is 1-4 ng/mL in the presence of 0.1 U/mL Recombinant Human EPO.	PASS (Test by method 1) 1 ng/mL (Test by method 2)
Appearance	Solution	
Concentration	5.09 mg/mL	
Reconstitution	N/A.	
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.	
Shipping	Shipping with dry ice	

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