



# Certificate of Analysis

## TPO/Thrombopoietin Protein, Mouse (335a.a, HEK293, C-His)

**Cat. No.:** HY-P70686A  
**Batch No.:** 238922  
**Species:** Mouse  
**Source:** HEK293  
**Tag:** C-6\*His  
**Accession:** P40226 (S22-T356)  
**Gene ID:** 21832  
**Molecular Weight:** approximately 75 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured in a cell proliferation assay using MO7e human megakaryocytic leukemic cells. The ED <sub>50</sub> for this effect is 0.6746 ng/mL, corresponding to a specific activity is 1.482×10 <sup>6</sup> units/mg.	0.6746 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. 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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