



CERTIFICATE OF ANALYSIS

TrueKine™ Recombinant Human TPO (Thrombopoietin) Protein

RUO

Powder

(Catalog Number 301-188P-010)

Lot Number: G426064

Origin: United States

Manufacture Date: Mar2023

Storage Temperature: ≤ -20°C

Product Expiry: Mar2028

Source: Human Embryonic Kidney cells (HEK293). HEK293-derived TPO (Thrombopoietin) protein.

For research use only. Not for direct therapeutic use.

Test	Methodology	Specification	Analysis
Activity (EC50)	Dose-dependent stimulation of the proliferation of MO7e cells in defined media	100-500 ng/mL	106 ng/mL
Specific Activity	Calibrated against TPO reference standard (NIBSC cat no: 03/124). Reference use only.	≥1.00 x 10 ⁶ IU/mg	1.18 x 10 ⁶ IU/mg
Molecular Mass	SDS-PAGE	70 to 93 kDa reduced and non-reduced, monomer, glycosylated	70 to 93 kDa reduced and non-reduced, monomer, glycosylated
Purity	SDS-PAGE	>95%	>95%
Endotoxin	LAL	<1 EU/μg	0.005 EU/μg

Preparation: Lyophilized from 1.04 mg/mL of a 0.2 μm filtered solution in 1x PBS. Reconstitution is recommended at 0.2 mg/mL using sterile 1x PBS with 0.1% HSA.

Stability & Storage The lyophilized product is stable until expiry date when stored at -20°C to -80°C or 2 weeks when stored at room temperature. Reconstituted material is stable for 6 months when stored at -20°C to -80°C or 1 week when stored at 4°C.

Transportation: This product is shipped at ambient temperature. Immediately upon receipt, store at the recommended storage temperature.



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The testing that has been performed as part of this lot release has been reviewed by Quality Assurance personnel and it has been confirmed that the testing meets the specifications presented on this Certificate of Analysis.

Sofia Tang
Name

29 SEP 2020
Date

QC Associate II
Title