



CERTIFICATE OF ANALYSIS

TrueKine™ Recombinant Human SCF Protein

RUO

Powder

(Catalog Number 301-185P-010)

Lot Number: G426066

Origin: United States

Manufacture Date: Aug2023

Storage Temperature: ≤ -20°C

Product Expiry: Aug2028

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

For research use only. Not for direct therapeutic use.

Test	Methodology	Specification	Analysis
Activity (EC50)	Dose-dependent stimulation of the proliferation of human MO7e cells (human megakaryoblastic leukemia cell line)	15 – 85 ng/mL	28.3 ng/mL
Specific Activity	Calibrated against SCF reference standard (NIBSC cat no: 91/682). Reference use only.	≥2.00 x 10 ⁵ IU/mg	6.73 x 10 ⁵ IU/mg
Molecular Mass	SDS-PAGE	30 to 45 kDa reduced and non-reduced, monomer, glycosylated	30 to 45 kDa, monomer, glycosylated
Purity	SDS-PAGE	>95%	>95%
Endotoxin	LAL	<1 EU/μg	0.005 EU/μg

Preparation: Lyophilized from 0.805 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.

Cassandra Baraza
Name

14 OCT 2024
Date

QC Associate III
Title