



## **CERTIFICATE OF ANALYSIS**

### **TrueKine™ Recombinant Human FLT3 Ligand Protein**

**RUO**

**Powder**

**(Catalog Number 301-118P-010)**

**Lot Number: G426062**

**Origin:** United States

**Manufacture Date:** Jul2023

**Storage Temperature:** ≤ -20°C

**Product Expiry:** Jul2028

**Source:** Human Embryonic Kidney cells (HEK293). HEK293-derived FLT3 Ligand protein.

For research use only. Not for direct therapeutic use.

| <b>Test</b>       | <b>Methodology</b>                                                                                     | <b>Specification</b>                                                  | <b>Analysis</b>                                                       |
|-------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|
| Activity (EC50)   | Dose-dependent stimulation of the proliferation of the human acute myeloid leukemia cell line OCI-AML5 | 0.4-3.0 ng/mL                                                         | 1.61 ng/mL                                                            |
| Specific Activity | Calibrated against FLT3 Ligand reference standard (NIBSC cat no: 96/532). Reference use only.          | ≥6.00 x 10 <sup>5</sup> IU/mg                                         | 7.19 x 10 <sup>5</sup> IU/mg                                          |
| Molecular Mass    | SDS-PAGE                                                                                               | 27 to 34 kDa reduced, 23 to 30 kDa non-reduced, monomer, glycosylated | 27 to 34 kDa reduced, 23 to 30 kDa non-reduced, monomer, glycosylated |
| Purity            | SDS-PAGE                                                                                               | >95%                                                                  | >95%                                                                  |
| Endotoxin         | LAL                                                                                                    | <1 EU/μg                                                              | 0.005 EU/μg                                                           |

**Preparation:** Lyophilized from 1.21 mg/mL of a 0.2 μm filtered solution in 1x PBS. Reconstitution is recommended at 0.2 mg/mL using sterile water 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.



## **CERTIFICATE OF ANALYSIS**

**TrueKine™ Recombinant Human FLT3 Ligand Protein**

**RUO**

*Powder*

**(Catalog Number 301-118P-010)**

**Lot Number: G426062**

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 2026  
Date

QC Associate II  
Title