



Certificate of Analysis

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

Cat. No.: HY-P70686
 Batch No.: 110163
 Species: Mouse
 Source: HEK293
 Tag: N-6*His
 Accession: P40226-1 (S22-T356)
 Gene ID: 21832
 Molecular Weight: 80-110 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 ₅₀ for this effect is 0.9757 ng/mL, corresponding to a specific activity is 1.25×10 ⁶ units/mg. | 0.9757 ng/mL |
| Appearance | Lyophilized powder. | |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ 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 (with carrier protein). 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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