



Certificate of Analysis

LIF Protein, Human (HEK293)

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|-------------------|-------------------|
| Cat. No.: | HY-P73276 |
| Batch No.: | 244236 |
| Species: | Human |
| Source: | HEK293 |
| Tag: | Tag Free |
| Accession: | P15018 (S23-F202) |
| Gene ID: | 3976 |
| Molecular Weight: | 34-55 kDa |

ANALYTICAL DATA

| TEST | Specifications | Results |
|---------------------|---|-----------|
| Purity | Greater than 95% as determined by reducing SDS-PAGE or Tris-Bis PAGE. | 97.70% |
| Endotoxin Level | <1 EU/μg, determined by LAL method. | PASS |
| Biological Activity | Measured by its ability to inhibit the proliferation of M1 mouse myeloid leukemia cells and the ED ₅₀ is typically 0.2-0.8 ng/mL. | 0.4 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. 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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