



# Certificate of Analysis

## Cardiotrophin-1/CTF1 Protein, Rat

|                   |                        |
|-------------------|------------------------|
| Cat. No.:         | HY-P71924              |
| Batch No.:        | 291800                 |
| Species:          | Rat                    |
| Source:           | <i>E. coli</i>         |
| Tag:              | Tag Free               |
| Accession:        | Q63086 (M1-A203)       |
| Gene ID:          | 29201                  |
| Molecular Weight: | Approximately 21.4 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 CTF1 human erythroleukemic cells. The ED50 for this effect is 5.936 ng/mL, corresponding to a specific activity is 1.685×10 <sup>5</sup> units/mg. | PASS    |
| Appearance          | Lyophilized powder  |         |
| Reconstitution      | It is not recommended to reconstitute to a concentration less than 100 μg/mL in sterile distilled water.  |         |
| 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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