



# Certificate of Analysis

## Amphiregulin Protein, Mouse (HEK293, Fc)

|                   |                    |
|-------------------|--------------------|
| Cat. No.:         | HY-P77868          |
| Batch No.:        | 205330             |
| Species:          | Mouse              |
| Source:           | HEK293             |
| Tag:              | N-hFc              |
| Accession:        | P31955 (V100-A248) |
| Gene ID:          | 11839              |
| Molecular Weight: | 45-50 kDa          |

### ANALYTICAL DATA

| TEST                | Specifications   | Results     |
|---------------------|--|-------------|
| Purity              | Greater than 95% as determined by Tris-Bis PAGE.   | ≥95.0%      |
| Endotoxin Level     | <1 EU/μg, determined by LAL method.  | PASS        |
| Biological Activity | Measured in a cell proliferation assay using Balb/3T3 cells. The ED <sub>50</sub> for this effect is 19.54 ng/mL, corresponding to a specific activity is 5.11×10 <sup>4</sup> units/mg. | 19.54 ng/mL |
| Appearance          | Lyophilized powder.  |             |
| Reconstitution      | It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O.  |             |
| 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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