



# Certificate of Analysis

## Apolipoprotein E/APOE3 Protein, Human (HEK293, His)

|                   |                   |
|-------------------|-------------------|
| Cat. No.:         | HY-P7531          |
| Batch No.:        | 333873            |
| Species:          | Human             |
| Source:           | HEK293            |
| Tag:              | C-6*His           |
| Accession:        | P02649 (K19-H317) |
| Gene ID:          | 348               |
| Molecular Weight: | 36-39 kDa         |

### ANALYTICAL DATA

| TEST                | Specifications   | Results     |
|---------------------|--|-------------|
| Purity              | Greater than 95% as determined by reducing SDS-PAGE.   | 96.42%      |
| Endotoxin Level     | <1 EU/μg, determined by LAL method.  | PASS        |
| Biological Activity | Measured in a cell proliferation assay using SH-SY5Y cells. The ED <sub>50</sub> for this effect is ≤15.14 ng/mL, corresponding to a specific activity is ≥6.61×10 <sup>4</sup> units/mg.                  | 13.44 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 (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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