



# Certificate of Analysis

## IL-31 Protein, Human

|                   |                        |
|-------------------|------------------------|
| Cat. No.:         | HY-P7217               |
| Batch No.:        | 64907                  |
| Species:          | Human                  |
| Source:           | <i>E. coli</i>         |
| Tag:              | Tag Free               |
| Accession:        | Q6EBC2 (S24-T164)      |
| Gene ID:          | 386653                 |
| Molecular Weight: | Approximately 15.8 kDa |

### ANALYTICAL DATA

| TEST                | Specifications  | Results |
|---------------------|---|---------|
| Purity              | Greater than 95% as determined by reducing SDS-PAGE.  | ≥97.0%  |
| Endotoxin Level     | <1 EU/μg, determined by LAL method.   | PASS    |
| Biological Activity | The ED <sub>50</sub> is <5 ng/mL as measured by human U-87 MG cells.  | PASS    |
| Appearance          | Lyophilized powder.   |         |
| Reconstitution      | It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> 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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