



# Certificate of Analysis

## MIF Protein, Mouse

|                   |                      |
|-------------------|----------------------|
| Cat. No.:         | HY-P7388             |
| Batch No.:        | 358858               |
| Species:          | Mouse                |
| Source:           | <i>E. coli</i>       |
| Tag:              | Tag Free             |
| Accession:        | P34884 (M1-A115)     |
| Gene ID:          | 17319                |
| Molecular Weight: | Approximately 11 kDa |

### ANALYTICAL DATA

| TEST                | Specifications  | Results     |
|---------------------|---|-------------|
| Purity              | Greater than 95% as determined by reducing SDS-PAGE.  | ≥98.0%      |
| Endotoxin Level     | <1 EU/μg, determined by LAL method.   | PASS        |
| Biological Activity | Measured by its ability to inhibit THP-1 cells migration. The ED <sub>50</sub> for this effect is ≤ 8.294 ng/mL, corresponding to a specific activity is ≥1.206×10 <sup>5</sup> U/mg.                             | 8.294 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. 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 (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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