



# Certificate of Analysis

## Animal-Free CCL4 Protein, Mouse (His)

**Cat. No.:** HY-P700165AF  
**Batch No.:** 262989  
**Species:** Mouse  
**Source:** *E. coli*  
**Tag:** N-His  
**Accession:** P14097 (A24-N92)  
**Gene ID:** 20303  
**Molecular Weight:** Approximately 8.64 kDa

### ANALYTICAL DATA

| TEST                | Specifications   | Results |
|---------------------|--|---------|
| Purity              | Greater than 95% as determined by reducing SDS-PAGE.   | ≥95.0%  |
| Endotoxin Level     | <0.1 EU per 1 µg of the protein by the LAL method.   | PASS    |
| Biological Activity | Measure by its ability to chemoattract BaF3 cells transfected with human CCR5, The ED <sub>50</sub> for this effect is <4 ng/mL.   | PASS    |
| Appearance          | Lyophilized powder.  |         |
| Reconstitution      | It is not recommended to reconstitute to a concentration less than 10 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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