



Certificate of Analysis

Animal-Free IL-23 p19 Protein, Human (His)

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|-------------------|-------------------------|
| Cat. No.: | HY-P700114AF |
| Batch No.: | 273813 |
| Species: | Human |
| Source: | <i>E. coli</i> |
| Tag: | N-His |
| Accession: | Q9NPF7 (R20-P189) |
| Gene ID: | 51561 |
| Molecular Weight: | Approximately 19.49 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 | Measured by its ability to induce IL-17 secretion in mouse splenocytes. The ED ₅₀ for this effect is <0.5 ng/mL. | <0.5 ng/mL |
| Appearance | Lyophilized powder | |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. | |
| Storage & Stability | Stored at -20°C. 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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