



Certificate of Analysis

IL-21 Protein, Mouse (129a.a)

| | |
|-------------------|------------------------|
| Cat. No.: | HY-P7078 |
| Batch No.: | 404168 |
| Species: | Mouse |
| Source: | <i>E. coli</i> |
| Tag: | Tag Free |
| Accession: | Q9ES17 (H18-S146) |
| Gene ID: | 60505 |
| Molecular Weight: | Approximately 15.1 kDa |

ANALYTICAL DATA

| TEST | Specifications | Results |
|---------------------|---|-------------|
| Purity | Greater than 95% as determined by reducing SDS-PAGE. | ≥98.0% |
| Endotoxin Level | <0.2 EU/μg, determined by LAL method. | PASS |
| Biological Activity | Measured by its binding ability in a functional ELISA. When Mouse IL-21 is coated at 5 μg/mL (100 μL/well) can bind Biotinylated Mouse IL-21R. The ED ₅₀ for this effect is 17.34 ng/mL. | 17.34 ng/mL |
| Appearance | Lyophilized powder | |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ 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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA