Rat IL-21 (His Tag) recombinant protein

Catalog Number: 500794



General Information

Protein Construction

A DNA sequence encoding the rat IL21 (NP_001102413.1) (Met1-Ser146) was expressed with a polyhistide tag at the C-terminus.

Organism

Rat

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Measured by its ability to induced Interferon gamma secretion by human natural killer lymphoma NK-92 cells.

The ED₅₀ for this effect is typically 2-8 ng/ml.

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

 $< 1.0 \; \text{EU}$ per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

His 18

Molecular Mass

The recombinant rat IL21 consists of 139 amino acids and predicts a molecular mass of 16.6 KDa. It migrates as an approximately 20 KDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 7.4.

- $1.\,5$ % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

Usage Guide

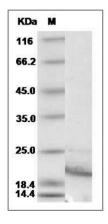
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Rat IL21 / Interleukin 21 Protein (His Tag) SDS-PAGE