

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 polyhistidine 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 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

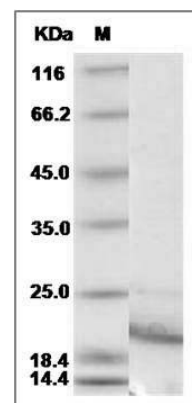
Storage

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