# 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 ED<sub>50</sub> for this effect is typically 2-8 ng/ml.

## **Purity**

> 90 % as determined by SDS-PAGE

#### **Endotoxin**

 $< 1.0 \; \text{EU}$  per  $\mu g$  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**

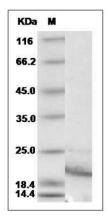
### Storage

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