

Rat IL-21R (His Tag) recombinant protein



Catalog Number: 501736

General Information

Gene Name Synonym

Interleukin 21 receptor, isoform CRA_a; Protein IL21r

Protein Construction

A DNA sequence encoding the rat IL21R (Q5EBB1) (Met1-Pro236) was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

Immobilized rat IL21R-His at 10 µg/ml (100 µl/well) can bind biotinylated rat IL21-His (Cat:500794), The EC₅₀ of biotinylated rat IL21-His (Cat:500794) is 4.6-10.9 ng/ml.

Purity

> 95 % 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

Cys 20

Molecular Mass

The recombinant rat IL21R comprises 228 amino acids and predicts a molecular mass of 26.5 kDa. The apparent molecular mass of the recombinant protein is approximately 43-48 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation

Lyophilized from sterile PBS, 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

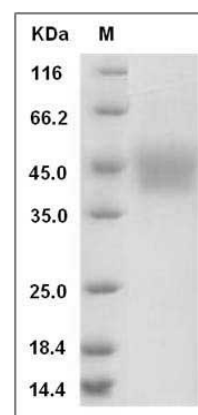
Storage

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 IL-21R / Interleukin-21 Receptor Protein (His Tag) SDS-PAGE