

Human IL31/Interleukin-31 (His Tag) recombinant protein



Catalog Number: 502103

General Information

Protein Construction

A DNA sequence encoding the human IL31 (NP_001014358.1) (Met1-Thr164) was expressed with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to induce STAT3 activation in U-87 cells.

The ED₅₀ for this effect is 11-45 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

Ser 24

Molecular Mass

The recombinant human IL31 consists of 152 amino acids and predicts a molecular mass of 17.3 KDa. It migrates as an approximately 31.8 KDa band in SDS-PAGE under reducing conditions.

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

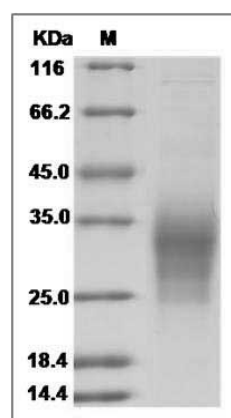
Storage

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



Human IL-31 / IL31 Protein (His Tag) SDS-PAGE