

Human IL-31 / IL31 Protein (His Tag)

Catalog Number: 11557-H08H



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

IL-31

Protein Construction:

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

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Bio Activity:

Measured by its ability to induce STAT3 activation in U937 cells. The ED_{50} for this effect is 11-45 ng/mL.

Endotoxin:

< 1.0 EU per μ 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: 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.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

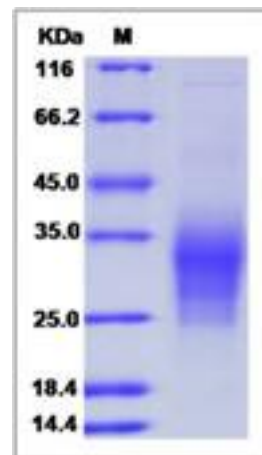
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



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For US Customer: Fax: 267-657-0217 • Tel: 215-583-7898

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