LEADGENE
LEADGENE BIOMEDICAL, INC.

Datasheet

Human IL-13, His Tag, E. coli

Catalog Number	LDG016PHE
Package	5 μg / 20 μg / 100 μg / Customized package

For full product information, images and publications, please visit our website.

Specifications

Species of Origin

Human

Expression system

Escherichia coli

Affinity Tag

His Tag (C-term)

Buffer

Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.

Purity

>95% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 13.28 kDa. The protein migrates as 15 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce TF-1 cells proliferation. The ED_{50} for this effect is<0.8 ng/mL. The specific activity of recombinant human IL-13 is approximately >1 $x10^6$ IU/ mg.

Endotoxin level

<0.01 EU per 1 μg of the protein by the LAL method.

Form

Lyophilized

Background

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Background

Interleukin 13 (IL-13) with a molecular mass of 10 kDa cytokine, it secreted by T helper type 2 (Th2) cells, CD4 cells, natural killer T cell, mast cells, basophils, eosinophils and nuocytes. It is homologous to IL-4 and shares many of its biologic activities on mononuclear phagocytic cells, endothelial cells, epithelial cells, and B cells.

Synonyms

Interleukin-13, NC30

Uniprot ID

#P35225

Sequence Note

Gly35-Asn146

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration of 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 2 weeks under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Image

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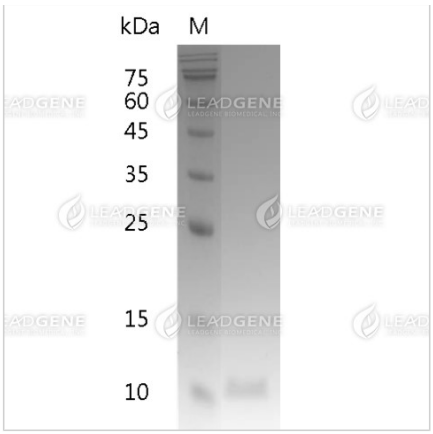

SDS-PAGE analysis of recombinant human IL-13.

Disclaimer : For Research Use or Further Manufacturing Only.

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