

Human IL-5, His Tag, CHO

Catalog Number	LDG074PHM
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

Affinity Tag

His Tag (N-term)

Purity

>95% as determined by SDS-PAGE analysis.

Activity

Measure by its ability to induce TF-1 cells proliferation. The ED₅₀ for this effect is <1 ng/mL.

Mycoplasma

Not detected.

Expression System

CHO

Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Molecular weight

The protein has a calculated MW of 13.97 kDa. The protein migrates as 12-22 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin Level

<0.1 EU per 1 µg of the protein by the LAL method.

Form

Lyophilized

Background

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Interleukin-5 (IL-5) is a cytokine that plays a central role in the growth, differentiation, and activation of eosinophils. It is crucial in the pathogenesis of allergic diseases such as asthma and is a target for therapeutic interventions.

Uniprot ID

P05113

Synonyms

Interleukin-5, B-cell differentiation factor I, Eosinophil differentiation factor, T-cell replacing factor, TRF

Sequence Note

Met1-Ser134

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

This product is stable after storage at:

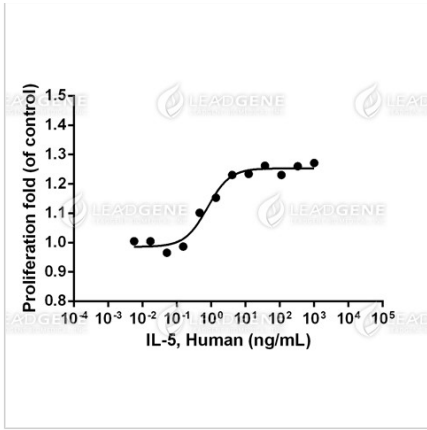
- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Shipping

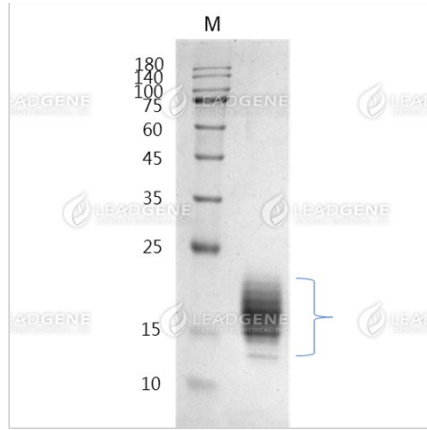
The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image



Measure by its ability to induce TF-1 cells proliferation. The ED₅₀ for this effect is <1 ng/mL.

Activity analysis of recombinant Human IL-5, His Tag, CHO.



SDS-PAGE analysis of recombinant human IL-5.

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