

Mouse IL-5, His Tag, E. coli

Catalog Number	LDG028PME
Package	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Mouse

Affinity Tag

His Tag (C-term)

Purity

>98% as determined by SDS-PAGE analysis.

Activity

Measure by its ability to induce TF-1 cells proliferation. The ED₅₀ for this effect is <0.2 ng/mL. The specific activity of recombinant mouse IL-5 is > 5 x 10⁶ IU/mg.

Form

Lyophilized

Expression system

Escherichia coli

Buffer

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

Molecular weight

The protein has a calculated MW of 13.93 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin level

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

Background

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Background

Interleukin 5 (IL-5) is a 45-60 kDa homodimeric cytokine that functions principally in the eosinophil arm of the Th2 response. It is a member of the helical bundle family of cytokines, along with IL-3, IL-4, and granulocyte macrophage-colony stimulating factor (GM-CSF).

Uniprot ID

#P04401

Synonyms

Interleukin-5, IL-5, B-cell Growth Factors II, BCGF-II, Cytotoxic T-lymphocyte inducer, Eosinophil differentiation factor, T-cell replacing factor, TRF

Sequence Note

Met21-Gly133

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration of 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

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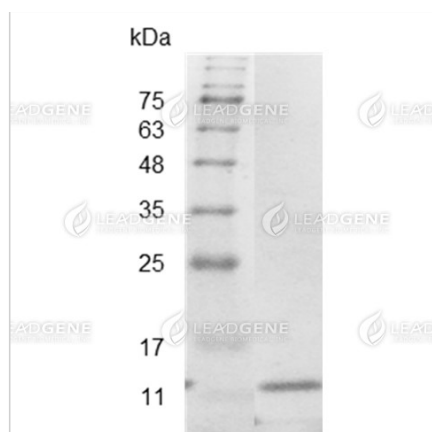
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SDS-PAGE analysis of recombinant mouse IL-5.

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