# Human IL-4, His Tag, CHO

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|---|---|
| **Catalog Number** | LDG075PHM |
| **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**

CHO

**Affinity Tag**

His Tag (C-term)

**Storage Buffer**

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

**Purity**

>80% as determined by SDS-PAGE analysis.

**Molecular weight**

The protein has a calculated MW of 15.79 kDa. The protein migrates as 15-21 kDa under reducing condition (SDS-PAGE analysis).

**Endotoxin Level**

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

**Mycoplasma**

Not detected.

**Form**

Lyophilized

## Background

**Background**

Interleukin-4 (IL-4) is a cytokine that promotes the differentiation of naive T cells into Th2 cells. It is critical in regulating allergic responses and humoral immunity and is involved in the pathogenesis of asthma and other allergic diseases.

**Synonyms**

Interleukin-4, B-cell stimulatory factor 1, BSF-1, Binetrakin, Lymphocyte stimulatory factor 1, Pitrakinra

| Uniprot ID | Sequence Note |
|---|---|
| P05112 | Met1-Set153 |

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile $H_2O$ to a concentration not less than 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.

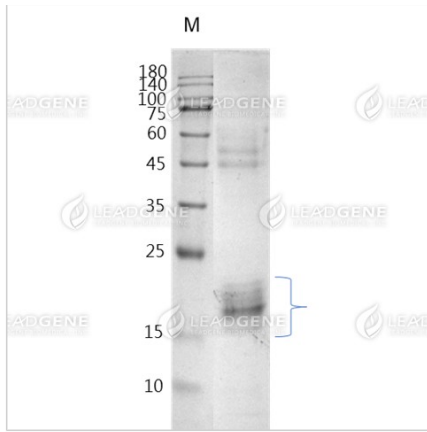### Stability & Storage

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 1 month under sterile conditions after reconstitution.
Avoid repeated freeze/thaw cycles.

## Image

SDS-PAGE analysis of recombinant human IL-4.

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