

Mouse IL-7, His Tag, E. coli

 Catalog Number
 LDG030PME

 Package
 5 μg / 20 μg / 100 μg / 1000 μg / Customized

 package
 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

Measured in a cell proliferation assay using PHA-activated human peripheral blood lymphocytes (PBMC). The ED $_{50}$ for this effect is <0.2 ng/mL. The specific activity of recombinant mouse IL-7 is > 5 x 10^6 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 15.8 kDa. The protein migrates as 16 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin level

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

Background

Tainan Headquarter

Innovation & Research Center

CLD Center



Background

Interleukin-7 (IL-7) is a multipotent cytokine belonged to one of the members of IL-2 superfamily. IL-7 has diverse effects on the hematopoietic and immune regulations. IL-7 is a trophic factor that is necessary for both B cell and T cell proliferation and development. In addition, it presents potential antitumor effects in tumors such as glioma, melanoma, lymphoma, leukemia, prostate cancer, and glioblastoma.

Uniprot ID

#P10168

Synonyms

Interleukin-7

Sequence Note

Glu26-Ile154

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 200 μ g/mL and incubate the stock solution for at least 20 min to ensure sufficient redissolved.

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.

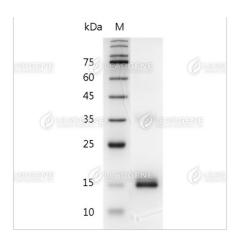
Avoid repeated freeze/thaw cycles.

Shipping

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

Image





SDS-PAGE analysis of recombinant mouse IL-7.

Disclaimer: For Research Use or Further Manufacturing Only.