

## Mouse IL-11, His Tag, E. coli

**Catalog Number** LDG033PME

**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 (N-term)

#### Purity

>98% as determined by SDS-PAGE analysis.

#### Activity

Measure by its ability to induce T11 cells proliferation. The ED<sub>50</sub> for this effect is <0.5 ng/mL. The specific activity of recombinant mouse IL-11 is > 2 x 10<sup>6</sup> IU/mg.

#### Form

Lyophilized

#### Expression system

Escherichia coli

#### Buffer

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

#### Molecular weight

The protein has a calculated MW of 19.96 kDa. The protein migrates as 17-25 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 11 (IL-11) is a cytokine, encoded by the gp130 family genes. IL-11 initially thought to be important for hematopoiesis, notably for megakaryocyte maturation, and it facilitates the formation of higher order structures involving dimers of gp130 / IL-11 / IL-11RA complexes.

**Uniprot ID**

#P47873

**Synonyms**

Interleukin-11, IL-11

**Sequence Note**

Pro22-Leu199

**Instruction****Reconstitution**

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O 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:

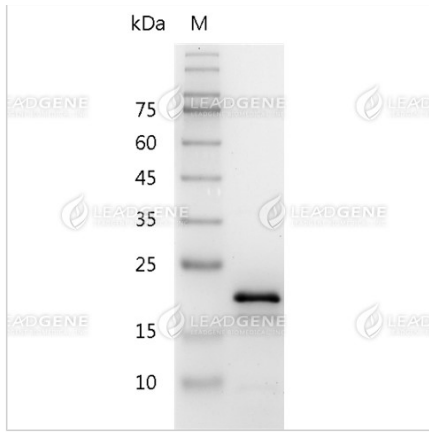
- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

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**



SDS-PAGE analysis of recombinant mouse IL-11.

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