

## Mouse IL-34, His Tag, E. coli

Catalog Number	LDG056PME
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 proliferation in NFS-60 cells. The ED<sub>50</sub> for this effect is <30 ng/mL. The specific activity of recombinant mouse IL-34 is > 3.3 x 10<sup>4</sup> IU/mg.

#### Form

Lyophilized

#### Expression System

Escherichia coli

#### Storage Buffer

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

#### Molecular weight

The protein has a calculated MW of 25.52 kDa. The protein migrates about 25 kDa under reducing condition (SDS-PAGE analysis).

#### Endotoxin Level

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

### Background

#### Tainan Headquarters

+886-6-2536677

bd@leadgene.com.tw

#### Innovation & Research Center

+886-2-27065528

#### CLD Center

+886-6-2536677

### Background

Interleukin 34 (IL-34) is a 23.98 kDa cytokine with 216 amino acid residues. IL-34 is a ligand of the colony-stimulating factor 1 receptor (CSF-1R) and is mainly secreted from the adrenal, frontal lobe, and cortex. IL-34 play a vital role in the proliferation, survival, differentiation, and migration of myeloid cells. These functions are mediated by IL-33 activating ERK1 /2, JAK, and PI3K/AKT signal pathways.

### Uniprot ID

#Q8R1R4

### Synonyms

Interleukin-34, IL-34

### Sequence Note

Asn21-Gln218

## Instruction

### Reconstitution

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

### Tainan Headquarters

+886-6-2536677

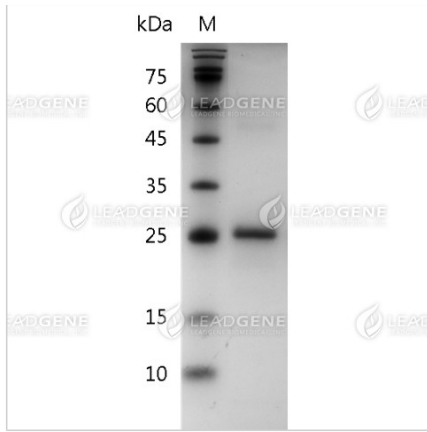
bd@leadgene.com.tw

### Innovation & Research Center

+886-2-27065528

### CLD Center

+886-6-2536677



SDS-PAGE analysis of recombinant mouse IL-34.

**Disclaimer :** For Research Use or Further Manufacturing Only.