

# Mouse IL-27 (EBI3), His Tag, E. coli

Catalog Number LDG050PME

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** 

>95% as determined by SDS-PAGE analysis.

**Activity** 

Measure by its ability to protect HepG2 cells infected with encephalomyocarditis (EMC) virus. The ED $_{50}$  for this effect is <5 ng/mL.

Form

Lyophilized

**Expression system** 

Escherichia coli

**Buffer** 

Lyophilized from a 0.2  $\mu$ m filtered solution of PBS, pH 7.4.

Molecular weight

The protein has a calculated MW of 23.84 kDa. The protein migrates about 25 kDa under reducing condition (SDS-PAGE analysis).

**Endotoxin level** 

<0.1 EU per 1  $\mu$ g of the protein by the LAL method.

# **Background**



#### Background

Interleukin 27 EBI3 (IL-27 EBI3) predicts a molecular mass of 23.4 kDa. IL-27 is a heterodimeric cytokine that is encoded by Epstein-Barr virus-induced gene 3 (EBI3) and IL-27p28. It is expressed by antigen presenting cells and interacts with a specific cell-surface receptor complex known as IL-27 receptor (IL-27R).

## **Uniprot ID**

#O35228

#### **Synonyms**

Interleukin-27 subunit beta, IL-27 subunit beta, IL-27B, Epstein-Barr virus-induced gene 3 protein homolog

## **Sequence Note**

Ala23-Pro228

#### Instruction

#### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile  $H_2O$  to a concentration of 200  $\mu g/mL$  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.

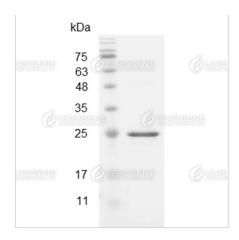
Avoid repeated freeze/thaw cycles.

## **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-27 (EBI3).

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