

# Swine IL-17A, His Tag, E. coli

Catalog Number LDG016PSE

Package 5 μg / 20 μg / 100 μg / Customized package

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# **Specifications**

**Species of Origin** 

Swine

**Affinity Tag** 

His Tag (C-term)

**Purity** 

>98% as determined by SDS-PAGE analysis.

**Endotoxin Level** 

<0.01 EU per 1  $\mu g$  of the protein by the LAL method.

**Expression System** 

Escherichia coli

**Storage Buffer** 

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

Molecular weight

The protein has a calculated MW of 15.81 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

Form

Lyophilized

# Background



#### **Background**

Interleukin 17-alpha (IL-17A) is a 14.54 kDa cytokine with 131 amino acid residues and is also referred to as CTLA-8. IL-17A is a proinflammatory cytokine mainly expressed in Th 17 cells, NK cells, and innate lymphoid cells (ILCs). After binding to the IL-17 receptor, IL-17A stimulates the production of IL-6, cyclooxygenase-2 (COX-2), and nitric oxide (NO) by activating NF-κB and MAPK signaling pathways. In addition, it also plays an essential role in against infection of extracellular bacteria and fungi by inducing epithelial cells to produce antimicrobial peptides.

#### **Uniprot ID**

# XP\_047652691 1

#### **Synonyms**

Interleukin-17A, IL-17, IL-17A

## **Sequence Note**

Gly26-Ser155

## 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**

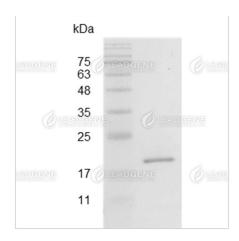
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SDS-PAGE analysis of recombinant swine IL-17A.

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