

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

Catalog Number	LDG016PSE
Package	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



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 µg of the protein by the LAL method.

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 15.81 kDa.
The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

Form

Lyophilized

Background

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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 H₂O 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

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

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