

Recombinant Pig IL17A Protein (Gly26-Ser155), C-His tagged, Animal-free, Carrier-free

Cat. No. IL17A-15P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pig IL17A Protein (Gly26-Ser155) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Pig
Source	E.coli
ProteinLength	Gly26-Ser155
Description	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.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 15.81 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.01 EU/μg of the protein by the LAL method.

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Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	IL17A interleukin 17A [<i>Phacochoerus africanus</i> (Common warthog)]
Official Symbol	IL17A
Synonyms	IL17A; interleukin 17A; interleukin-17A; cytotoxic T-lymphocyte-associated antigen 8; IL17; CtlA8; IL-17; CtlA-8; IL-17A;
Gene ID	125136096
mRNA Refseq	XM_047796735
Protein Refseq	XP_047652691

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

kDa

75

63

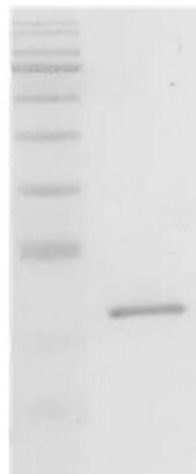
48

35

25

17

11



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