

Swine recombinant IL-17A (Interleukin-17A) protein, AF

Catalog Number: PROTB6E279

Overview

Product Name	Swine recombinant IL-17A (Interleukin-17A) protein, AF
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-kappaB 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.
Size	5ug,20ug
Tag	His Tag (C-term)
Form	Lyophilized
Source	Escherichia coli
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Purity

>98% as determined by SDS-PAGE.

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).

Activity

Testing in process

Endotoxin

<0.01 EU per 1 ug of the protein by the LAL method.

Amino Acid Sequence

MGIMIPQSPGCPKTEDKNFPQHVRVNLNILNRSTPARRPSDYSKRSTSPWTLQRNEDPERYPSVIWEAKCSHSGCINAEGKEDHHMNSVPIQQEILVLR
REPRHCPNSFRLEKVMVTVGCTCVTPIVRHIS with polyhistidine tag at the C-terminus.

Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Usage

Boster's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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