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Mouse recombinant IL-17F (Interleukin-17F) protein, AF

Catalog Number: PROTQ7TNI7-2

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Overview

Product Name	Mouse recombinant IL-17F (Interleukin-17F) protein, AF
Description	Interleukin 17F (IL-17F) predicts a molecular mass of 30.1 kDa, is a cytokine of innate and adaptive immune system involved in maintenance of tissue integrity and antimicrobial host defense against infection by inducing the expression of genes that encode other proinflammatory cytokines, such as tumor necrosis factor, interleukin 1, interleukin 6 and some members of the colony-stimulating factor family.
Size	5ug,20ug,100ug
Tag	His Tag (C-term)
Form	Lyophilized
Source	Escherichia coli
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 20 mM sodium citrate, pH 4.5. 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 15.82 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce IL-6 secretion in 3T3 cells. The ED_{50} for this effect is <100 ng/mL.

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Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

Amino Acid Sequence

MRKNPKAGVPALQKAGNCPPLEDNTVRVDIRIFNQNQGISVPREFQNRSSSPWDYNITRDPHRFPSEIAEAQCRHSGCINAQGQEDSTMNSVAIQQEIL VLRREPQGCSNSFRLEKMLLKVGCTCVKPIVHQAA 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 H_2O 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.

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Usage

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