

Datasheet for ABIN7274998

IL17C Protein (AA 19-197) (His-Avi Tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	IL17C
Protein Characteristics:	AA 19-197
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL17C protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human IL-17C Protein
Sequence:	His19-Val197
Characteristics:	Recombinant Human IL-17C Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains His19-Val197.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by SEC-HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human IL-17C at 5µg/ml (100µl/Well) on the plate. Dose response curve for Human IL-17R alpha, hFc Tag with the EC50 of 2.6µg/ml determined by ELISA. See testing image for detail.

Target Details

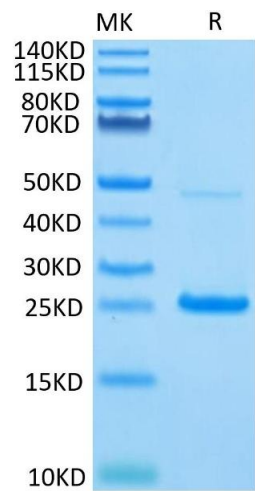
Target:	IL17C
Alternative Name:	IL-17C (IL17C Products)
Background:	Interleukin-17C (IL-17C) is a 15-20 kDa glycosylated cytokine that plays an important role in mucosal immunity and chronic inflammation. The six IL-17 cytokines (IL-17A-F) are encoded by separate genes but adopt a conserved cystine knot fold. IL-17C is Cytokine that plays a crucial role in innate immunity of the epithelium, including to intestinal bacterial pathogens, in an autocrine manner. Stimulates the production of antibacterial peptides and proinflammatory molecules for host defense by signaling through the NF-kappa-B and MAPK pathways. Acts synergically with IL22 in inducing the expression of antibacterial peptides, including S100A8, S100A9, REG3A and REG3G.
Molecular Weight:	22.6 kDa. Due to glycosylation, the protein migrates to 25 kDa based on Tris-Bis PAGE result.
UniProt:	Q9P0M4
Pathways:	Cellular Response to Molecule of Bacterial Origin

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in 50 mM MES, 150 mM NaCl (PH 6.0).
Buffer:	Lyophilized from 0.22µm filtered solution in 50 mM MES, 150 mM NaCl (PH 6.0). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

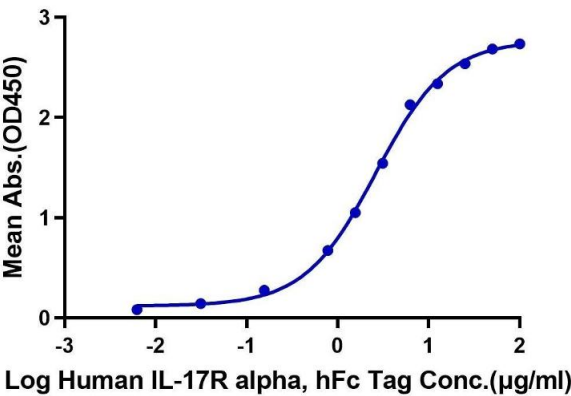


SDS-PAGE

Image 1. Human IL-17C on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Human IL-17C, His Tag ELISA

0.5µg Human IL-17C, His Tag Per Well



ELISA

Image 2. Immobilized Human IL-17C at 5 µg/mL (100 µ L/Well) on the plate. Dose response curve for Human IL-17R alpha, hFc Tag with the EC50 of 2.6 µg/mL determined by ELISA.