Datasheet for ABIN6923157

IL17C Protein (AA 19-197) (His tag,AVI tag,Biotin)

Go to Product page

2 Images

Overview

Quantity:	200 µg
Target:	IL17C
Protein Characteristics:	AA 19-197
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL17C protein is labelled with His tag,AVI tag,Biotin.

Product Details

Sequence:	AA 19-197
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	IL17C
Alternative Name:	IL-17C (IL17C Products)
Background:	Interleukin-17C(IL-17C) is a glycosylated cytokine that plays an important role in mucosal

Target Details

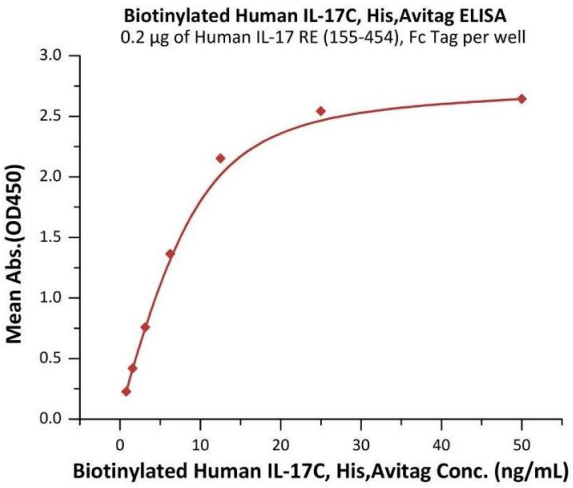
	immunity and chronic inflammation. IL-17C binds to IL-17 RE with high affinity and to IL-17 RA with low affinity, binds to a heterodimer formed by IL17RA and IL17RE. Enhanced IL17C/IL17RE signaling may also lead to greater susceptibility to autoimmune diseases. Stimulates the production of antibacterial 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. Synergy is also observed with TNF and IL1B in inducing DEFB2 from keratinocytes.
Molecular Weight:	23.4 kDa
NCBI Accession:	NP_037410
Pathways:	Cellular Response to Molecule of Bacterial Origin

Application Details

Comment:	Ready-to-use AvitagTM biotinylated protein: The product is exclusively produced using the AvitagTM technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA. This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.
Restrictions:	For Research Use only

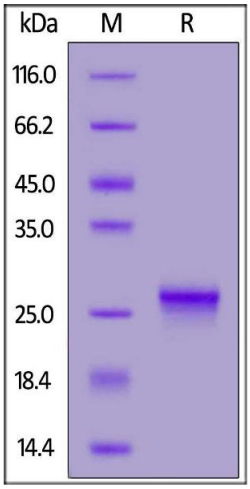
Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C



ELISA

Image 1. Immobilized Human IL-17 RE (155-454), Fc Tag (ABIN6938940,ABIN6950995) at 2 µg/mL (100 µL/well) can bind Biotinylated Human IL-17C, His,Avitag (ABIN6923157,ABIN6938899) with a linear range of 0.8-13 ng/mL (QC tested).



SDS-PAGE

Image 2. Biotinylated Human IL-17C, His,Avitag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .

