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Datasheet for ABIN7199575  
**IL17C Protein (His-Avi Tag,Biotin)**

### Overview

Quantity:	200 µg
Target:	IL17C
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL17C protein is labelled with His-Avi Tag,Biotin.

### Product Details

Purpose:	Biotinylated Mouse IL-17C Protein, His,Avitag™ (MALS verified)
Sequence:	Asp 17 - Gln 194
Characteristics:	Biotinylated Mouse IL-17C, His,Avitag is expressed from human 293 cells (HEK293). It contains AA Asp 17 - Gln 194 (Accession # Q8K4C5-1).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Grade:	MALS verified

### Target Details

Target:	IL17C
Alternative Name:	IL-17C ( <a href="#">IL17C Products</a> )
Background:	Synonyms: IL-17C,Cytokine CX2,IL17C,

## Target Details

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Interleukin-17C(IL-17C) is a glycosylated cytokine that plays an important role in mucosal 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\\_665833](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#)

## Application Details

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Application Notes: This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™). The protein has a calculated MW of 23.4 kDa. The protein migrates as 25-27 kDa under reducing (R) condition due to glycosylation.

Comment: Ready-to-use Avitag™ biotinylated protein:  
The product is exclusively produced using the Avitag™ 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

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Format: Lyophilized

Buffer: PBS, 0.5 M Arginine, pH 7.4

## Handling

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Storage: -20 °C

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Storage Comment: -20°C