

# Human IL17RC Protein (Fc Tag)



Sino Biological  
Biological Solution Specialist

Catalog Number: 11747-H02H

## General Information

### Gene Name Synonym:

IL17-RL; IL17RL; UNQ6118/PRO20040/PRO38901

### Protein Construction:

A DNA sequence encoding the extracellular domain of human IL17RC isoform 3 (NP\_116121.2) (Met 1-Ala 454) was fused with the Fc region of human IgG1 at the C-terminus.

**Source:** Human

**Expression Host:** HEK293 Cells

## QC Testing

**Purity:** > 95 % as determined by SDS-PAGE

### Bio Activity:

**Measured by its binding ability in a functional ELISA. Immobilized Human IL17 (Cat:12047-HNAE) at 2 µg/ml (100 µl/well) can bind Human IL17RC hFc (Cat:11747-H02H), the EC<sub>50</sub> of Human IL17RC hFc is 200-800 ng/mL.**

### Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

**Predicted N terminal:** Leu 21

### Molecular Mass:

The secreted recombinant human IL17RC/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 675 amino acids and has a predicted molecular mass of 75.3 kDa. The apparent molecular mass of rh IL17RC/Fc monomer is approximately 100-120 kDa in SDS-PAGE under reducing conditions due to glycosylation.

### Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

## Usage Guide

### Stability & Storage:

Samples are stable for twelve months from date of receipt at -20°C to -80°C.

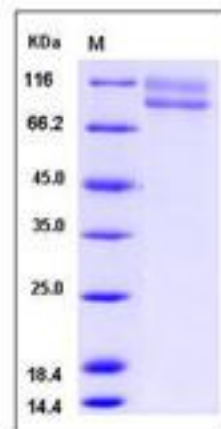
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

### Reconstitution:

Detailed reconstitution instructions are sent along with the products.

## SDS-PAGE:



## Protein Description

IL17RC (Interleukin 17 Receptor C) is a Protein Coding gene. This gene encodes a single-pass type I membrane protein that shares similarity with the interleukin-17 receptor (IL-17RA). IL17RC is widely expressed in the prostate, skin, and other tissues. The hypomethylation within the IL17RC gene promoter in peripheral blood is not suitable for use as a clinical biomarker of AMD. This study highlights the need for considerable replication of epigenetic association studies before clinical application. methylation of IL17RC could play as a marker in choroidal neovascularization (CNV) and degeneration of retinal pigment epithelium (RPE) cells in vitro. Diseases associated with IL17RC include Candidiasis, Familial, 9, and Chronic Mucocutaneous Candidiasis.

## References

- 1.Allen W, et al. (2010) IL-17RC: A partner in IL-17 signaling and beyond. Semin Immunopathol. 32(1): 33-42.
- 2.You ZB, et al. (2007) Differential Expression of IL-17RC Isoforms in Androgen-Dependent and Androgen-Independent Prostate Cancers1. Neoplasia. 9(6): 464-70.
- 3.Zrioual S, et al. (2008) IL-17RA and IL-17RC receptors are essential for IL-17A-induced ELR+ CXC chemokine expression in synoviocytes and are overexpressed in rheumatoid blood. J Immunol. 180(1): 655-63.