

# Rhesus IL17RA / IL-17RA / CD217 Protein (His Tag)

Catalog Number: 90127-C08H



Sino Biological  
Biological Solution Specialist

## General Information

### Gene Name Synonym:

IL17RA

### Protein Construction:

A DNA sequence encoding the rhesus IL17RA (XP\_001102483.2) (Met1-Trp320) was expressed with a polyhistidine tag at the C-terminus.

**Source:** Rhesus

**Expression Host:** HEK293 Cells

## QC Testing

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

### Bio Activity:

**1.Measured by its binding ability in a functional ELISA. 2.Immobilized rhesus IL17RA-His(Cat:90127-C08H) at 10µg/mL (100µL/well) can bind biotinylated human IL17A (Cat:12047-HNAS), the EC<sub>50</sub> of biotinylated human IL17A is 15-100ng/mL.**

### Endotoxin:

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

### Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

**Predicted N terminal:** Leu 33

### Molecular Mass:

The recombinant rhesus IL17RA consists of 309 amino acids and predicts a molecular mass of 35.6 kDa.

### 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

### Storage:

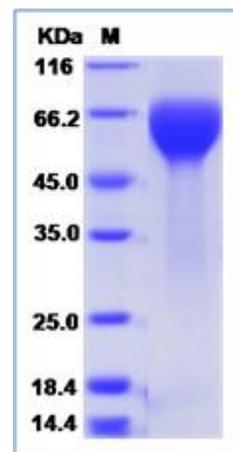
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

### Reconstitution:

Detailed reconstitution instructions are sent along with the products.

## SDS-PAGE:



## Protein Description

Interleukin-17 receptor (IL-17R), also known as Interleukin-17 receptor A (IL-17RA) and CD217 antigen (CD217), is a cytokine receptor which binds interleukin 17. IL-17R/IL-17RA (CD217) is a proinflammatory cytokine secreted by activated T-lymphocytes. It is a potent inducer of the maturation of CD34-positive hematopoietic precursors into neutrophils. IL-17R/IL-17RA (CD217) is a ubiquitous type I membrane glycoprotein that binds with low affinity to interleukin 17A. Interleukin 17A and its receptor IL-17RA play a pathogenic role in many inflammatory and autoimmune diseases such as rheumatoid arthritis. Like other cytokine receptors, this receptor likely has a multimeric structure. Defects in IL-17R/IL-17RA (CD217) are the cause of familial candidiasis type 5 (CANDF5). CANDF5 is a rare disorder with altered immune responses and impaired clearance of fungal infections, selective against *Candida*. It is characterized by persistent and/or recurrent infections of the skin, nails and mucous membranes caused by organisms of the genus *Candida*, mainly *Candida albicans*.

## References

- 1.Gaffen SL. (2009) Structure and signalling in the IL-17 receptor family. *Nat Rev Immunol.* 9 (8): 556-67.
- 2.Johansen C, *et al.* (2009) Characterization of the interleukin-17 isoforms and receptors in lesional psoriatic skin. *Br J Dermatol.* 160 (2): 319-24.
- 3.Yao Z, *et al.* (1997) Molecular characterization of the human interleukin (IL)-17 receptor. *Cytokine* 9 (11): 794-800.

Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

For US Customer: Fax: 267-657-0217

● Tel: 215-583-7898

Global Customer: Fax :+86-10-5862-8288

● Tel:+86-400-890-9989

● <http://www.sinobiological.com>