

# Human IL17BR / IL17RB / IL-17 Receptor B Protein (His Tag)

Catalog Number: 13091-H08H



Sino Biological  
Biological Solution Specialist

## General Information

### Gene Name Synonym:

CRL4; EVI27; IL17BR; IL17RH1

### Protein Construction:

A DNA sequence encoding the human IL17BR (NP\_061195.2) (Met1-Gly289) was expressed with a C-terminal polyhistidine tag.

**Source:** Human

**Expression Host:** HEK293 Cells

## QC Testing

**Purity:** > 90 % as determined by SDS-PAGE

### Bio Activity:

Measured by its binding ability in a functional ELISA. Immobilized human IL17BR-His (cat: 13091-H08H) at 10 µg/ml (100 µl/well) can bind human Fc-IL25 (Cat:10096-H01H), The EC<sub>50</sub> of human Fc-IL25 (Cat:10096-H01H) is 0.1-0.3 µg/ml.

### Endotoxin:

< 1.0 EU per µg of the 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:** Arg 18

### Molecular Mass:

The recombinant human IL17BR comprises 284 amino acids and has a predicted molecular mass of 31.5 kDa. The apparent molecular mass of the protein is approximately 41-45 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

### Storage:

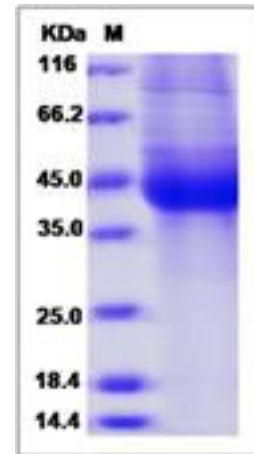
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

### Reconstitution:

Detailed reconstitution instructions are sent along with the products.

## SDS-PAGE:



## References

1. Rickel EA, *et al.* (2008) Identification of functional roles for both IL-17RB and IL-17RA in mediating IL-25-induced activities. *J Immunol.* 181(6): 4299-310.
2. Stock P, *et al.* (2009) Induction of airway hyperreactivity by IL-25 is dependent on a subset of invariant NKT cells expressing IL-17RB. *J Immunol.* 182(8): 5116-22.
3. Wang H, *et al.* (2010) Allergen challenge of peripheral blood mononuclear cells from patients with seasonal allergic rhinitis increases IL-17RB, which regulates basophil apoptosis and degranulation. *Clin Exp Allergy.* 40(8): 1194-202.

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