

# Recombinant mouse IL-17RB protein

Catalog Number: ATGP3472

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

18-286aa

### UniProt No.

Q9JIP3

### NCBI Accession No.

NP\_062529

### Alternative Names

Interleukin-17 receptor B, Il17rb, Evi27, IL-17ER, IL-17Rh1, Il17br, IL17RH1, IL-17 receptor B, IL-17 receptor homolog 1, Interleukin-17B receptor, IL-17B receptor

## PRODUCT SPECIFICATION

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### Molecular Weight

57.1 kDa (511aa)

### Concentration

1mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 90% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

hIgG-His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

Il17rb, also known as Interleukin-17 receptor B, is a cytokine receptor. This receptor specifically binds to IL17B and IL17E (IL25), but does not bind to IL17 (A) or IL17C. It has been shown to mediate the activation of NF- $\kappa$ B and the production of IL8 induced by IL17E. It was found to be significantly up-regulated during intestinal

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inflammation, which suggested the immune regulatory activity of this receptor. Recombinant mouse IL17rb, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

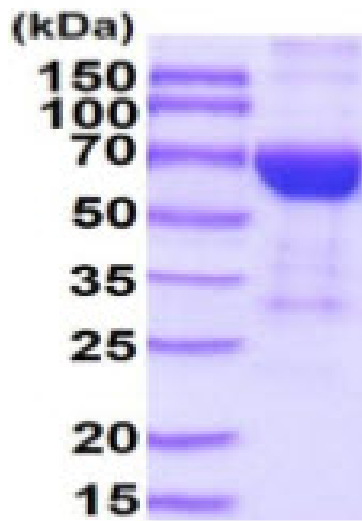
ADPREPTIQC GSETGPSPEW MVQHTLTPGD LRDQLQVELVK TSVAAEEFSI LMNISWILRA DASIRLLKAT KICVSGKNNM  
NSYSCVRCNY TEAFQSQTRP SGGKWTFSYV GFPVELSTLY LISAHNIPNA NMNEDSPSLV VNFTSPGCLN HVMKYKKQCT  
EAGSLWDPDI TACKKNEKMOV EVNFTTNPLG NRYTILIQRD TTLGFSRVLE NKL MRTSVAI PVTEESEGA VQLTPYLHTC  
GNDCIRREGT VVLCSETSAP IPPDDNRRML GGVEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV  
VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNQKEYKCK VSNKALPAPI EKTISKAKGQ  
PREPQVYTL PPSRDELTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV  
FSCVMHEAL HNHYTQKSLV LSPGKHHHHH H

## General References

Rickel EA. et al., (2008) J. Immunol. 181(6):4299-4310.  
Aggarwal, S. et al., (2002) J. Leukoc. Biol. 71:1-8.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)