

Recombinant human IL-17RB protein

Catalog Number: ATGP4039

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

18-292aa

UniProt No.

Q9NRM6

NCBI Accession No.

NP_061195.2

Alternative Names

Interleukin-17 receptor B, CRL4, EVI27, IL17BR, IL17RH1, IL-17 receptor B, IL-17RB, Cytokine receptor-like 4, IL-17 receptor homolog 1, Interleukin-17B receptor

PRODUCT SPECIFICATION

Molecular Weight

57.3 kDa (514aa) Reducing conditions

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 85% by SDS-PAGE

Endotoxin level

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

Biological Activity

Measured by its binding ability in a functional ELISA with Human IL25 (CAT# ATGP4018). The ED50 range \leq 2 ug/ml.

Tag

hIgG-His-Tag

Application

SDS-PAGE, Bioactivity

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.

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BACKGROUND

Description

IL-17RB, 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 IL17A or IL17C. It has been shown to mediate the activation of NFkappaB and the production of IL8 induced by IL17E. It was found to be significantly up-regulated during intestinal inflammation, which suggested the immunoregulatory activity of this receptor. Recombinant human IL-17RB, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

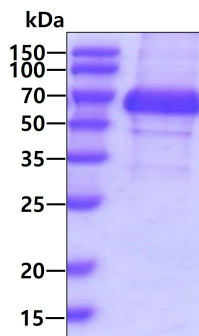
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SCVRCNYTEA FQTQTRPSGG KWTFYSYIGFP VELNTVYFIG AHNIPNANMN EDGPSMSVNF TSPGCLDHIM KYKKKCVKAG  
SLWDPNITAC KKNEETVEVN FTTTPLGNRY MALIQHSTII GFSQVFEHQ KKQTRASVVI PVTGDSEGAT VQLTPYFPTC  
GSDCIRHKGT VVLCPTQGVF FPLDNNKSKP GGWLP<LEPKS CDKTHTCPPC PAPELLGGPS VFLFPPKPKD TLMISRTPEV  
TCVVVDVSH E DPEVKFNWYV DGVEVHNAKT KPREEQYNST YRVVSVLTVL HQDWLNGKEY KCKVSNKALP APIEKTISKA  
KGQPREPQVY TLPPSRDEL T KNQVSLTCLV KGFYPSDIAV EWESNGQPEN NYKTTTPVLD SDGSFFLYSK LTVDKSRWQQ  
GNVFSCVMH EALHNNHYTQK SLSLSPGKHH HHHH>
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General References

Ma XJ, et al. (2006) J Clin Oncol. 24:4611-4619.
Schwandner R, et al. (2000) J. Exp. Med. 191:1233-1240.

DATA

SDS-PAGE



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

Biological Activity

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Human IL25 (CAT# ATGP4018) is coated at 2 ug/ml (100 ul/well) can bind Human IL17RB. The ED50 range ≤ 2 ug/ml.

