

Active Recombinant Human IL17RB Protein, hlgG/His-tagged

Cat. No. IL17RB-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human IL-17RB (18-292aa), fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
ProteinLength	18-292 a.a.
Description	The protein encoded by this gene is a cytokine receptor. This receptor specifically binds to IL17B and IL17E, but does not bind to IL17 and IL17C. This receptor has been shown to mediate the activation of NF-kappaB and the production of IL8 induced by IL17E. The expression of the rat counterpart of this gene was found to be significantly up-regulated during intestinal inflammation, which suggested the immunoregulatory activity of this receptor.
Form	Liquid
Bio-activity	Measured by its binding ability in a functional ELISA with Human IL25. The ED50 range $\leq 2 \mu\text{g/mL}$.
Molecular Mass	57.3 kDa (514aa), reducing conditions
AA Sequence	REPTVQCGSETGPSPEWMLQHDLPGLRDLRVEPVTTTSVATGDYSILMNVSWVLR

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ADASIRLLKATKICVTGKSNFQSYSCVRCNYTEAFQTQTRPSGGKWTF SYIGFPVEL
 NTVYFIGAHNIPNANMNEDGPSMSVNFTSPGCLDHIMKYKKKCVKAGSLWDPNITAC
 KKNEETVEVNFTTTPLGNRYMALIQHSTIIGFSQVFEPHQKKQTRASVVIPVTGDSEG
 ATVQLTPYFPTCGSDCIRHKGTVVLC PQTGVPFPLDNNKSKPGGWLP

Endotoxin < 1 EU/μg of protein (determined by LAL method)

Purity > 85% by SDS-PAGE

Applications SDS-PAGE, Bioactivity

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

Concentration 0.25 mg/mL (determined by Bradford assay)

Storage Buffer Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name [IL17RB interleukin 17 receptor B \[Homo sapiens \(human\) \]](#)

Official Symbol [IL17RB](#)

Synonyms IL17RB; interleukin 17 receptor B; CRL4; EVI27; IL17BR; IL17RH1; interleukin-17 receptor B; IL-17 receptor B; IL-17 receptor homolog 1; IL-17B receptor; IL-17RB; IL-17Rh1; cytokine receptor CRL4; cytokine receptor-like 4; interleukin 17 receptor homolog 1; interleukin-17B receptor

Gene ID [55540](#)

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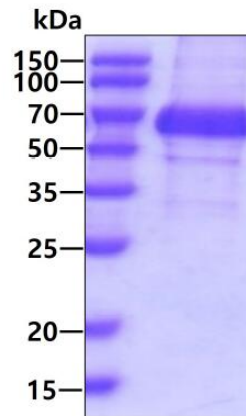
mRNA Refseq [NM_018725](#)

Protein Refseq [NP_061195](#)

MIM [605458](#)

UniProt ID [Q9NRM6](#)

SDS-PAGE



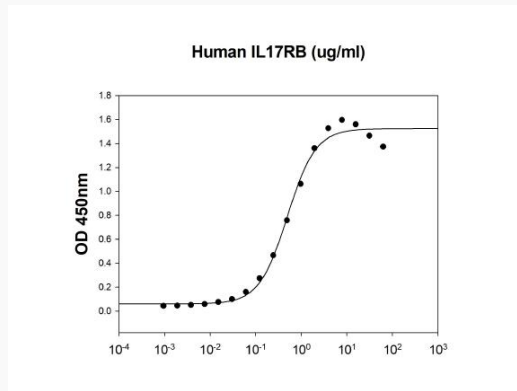
3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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Biological Activity



Human IL25 is coated at 2 µg/mL (100 µL/well) can bind Human IL17RB. The ED50 range ≤ 2 µg/mL.

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