

## Recombinant Mouse IL17BR/IL17RB Protein (His Tag)

**Catalog No.** PKSM040352

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

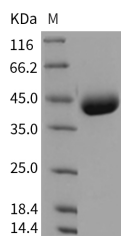
### Description

<b>Synonyms</b>	Evi27;IL-17ER;IL-17Rh1;IL17br;IL17RH1
<b>Species</b>	Mouse
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Met1-Gly286
<b>Accession</b>	Q9JIP3-1
<b>Calculated Molecular Weight</b>	31.3 kDa
<b>Observed molecular weight</b>	42 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Measured by its binding ability in a functional ELISA. Immobilized mouse IL17BR-His at 10 µg/mL (100 µl/well) can bind rat Fc-IL25. The EC50 of rat Fc-IL25 is 0.12-0.27 µg/mL.

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

#### For Research Use Only

IL17RB (Interleukin 17 Receptor B) is a Protein Coding gene. IL17RB is the receptor for IL17E, the only member of the IL17 family promoting Th2 reactions. IL17RB is induced on human macrophages by IL4 and enhanced by TGFbeta. Overexpression of IL17RB is associated with poor prognosis and the short survival of breast cancer patients. IL17RB/IL17B signaling triggers a substantial increase in cell growth, proliferation, and migration through the activation of NF-kappaB as well as the up-regulation of the Bcl-2. IL17RB may be the only gene expressed in CD4+ T cells whose transcript measurement is correlated with the variation in IgE level in asthmatics. Diseases associated with IL17RB include Chronic Mucocutaneous Candidiasis and Seborrheic Infantile Dermatitis.