

## Recombinant Rat IL20RB Protein (His Tag)

**Catalog Number:** PKSR030418

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

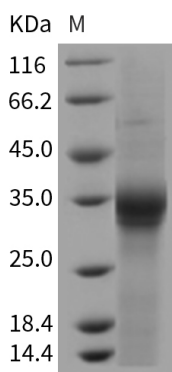
### Description

<b>Species</b>	Rat
<b>Source</b>	HEK293 Cells-derived Rat IL20RB protein Met1-Pro227, with an C-terminal His
<b>Calculated MW</b>	24.6 kDa
<b>Observed MW</b>	32-36 kDa
<b>Accession</b>	B8K1X9
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 91 % 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% Tween 80 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



> 91 % as determined by reducing SDS-PAGE.

### Background

IL20RB belongs to the type II cytokine receptor family. There are two kinds of type II cytokine receptors : cytokine receptors that bind type I and type II interferons; cytokine receptors that bind members of the interleukin-10 family ( interleukin-10, interleukin-20 and interleukin-22). Type II cytokine receptors are similar to type I cytokine receptors except they do not possess the signature sequence WSXWS that is characteristic of type I receptors. They are expressed on the surface of certain cells, which bind and respond to a select group of cytokines. These receptors are related predominantly by sequence similarities in their extracellular portions that are composed of tandem Ig-like domains. The intracellular domain of type II cytokine receptors is typically associated with a tyrosine kinase belonging to the Janus kinase (JAK) family. IL20RB and IL20RA (MIM 605620) form a heterodimeric receptor for interleukin-20.

### For Research Use Only

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