



# Recombinant Protein Technical Manual

## Recombinant Rat IL20RB Protein (His Tag)

RPES1698

### Product Data:

**Product SKU:** RPES1698

**Size:** 50µg

**Species:** Rat

**Expression host:** HEK293 Cells

**Uniprot:** B8K1X9

### Protein Information:

**Molecular Mass:** 24.6 kDa

**AP Molecular Mass:** 32-36 kDa

**Tag:** C-His

**Bio-activity:**

**Purity:** > 91 % as determined by SDS-PAGE

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method

**Storage:** 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.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from sterile PBS, pH 7.4

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** IL20RB

## Immunogen Information:

**Sequence:** Met1-Pro227

## 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 interleukin0 family (interleukin0, 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.